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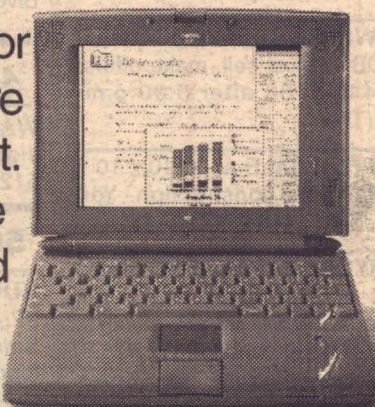
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THE ROCKETEER

THURSDAY, APRIL 20, 1995

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 51, No. 8

Pathfinder: China Lake and JPL test 'microrover' for NASA

By Cliff Lawson
TID

From a distance, the dark object
dangling below the UH-1 heli-
copter looks like a pyramid. As the
helicopter draws closer to China Lake's
G-2 drop zone, the pyramid resolves
itself into a triangular cage-like structure
connected to the bottom of the helicopter
by a 12-foot cargo cable.

At 5,500 feet above the drop zone, the
helicopter slows and then hovers. A few
seconds later a test package drops out of
the bottom of the cage, and moments
later a huge parachute blossoms above it.
The helicopter, with the cage still danc-
ing below it, banks south and away, out
of the drop zone.

So began the latest test of the Mars
Pathfinder, a vehicle that, on the Fourth
of July 1997, will be descending not
through the thick air of the Mojave
Desert but through the 100 times thinner
atmosphere of Mars.

Pathfinder's roots go back to the
1980s, to a time when NASA envisioned
huge (about one-ton) rovers being sent to
Mars for exploration and sampling. But
in 1989 NASA's budget began to shrink,
and so too did the size of the rovers.

In 1992, the Jet Propulsion Labora-
tory demonstrated a "microrover" weig-
ing only 15 pounds, and NASA agreed to
fund a Mars project using the JPL prod-
uct. NASA dubbed the venture Mars
Pathfinder and the Microrover Flight
Experiment (MFEX).

If all goes as planned, a Delta rocket
Please see **PATHFINDER**, Page 10



BLOSSOMS—Heading into Earth Day weekend, just as Spring has blessed the desert floor with various swatches of
color, the Navy Balloon Team has brought its brilliant gold and blue to the desert skies. Capt. Roger K. Hull, NAWCWPNS
vice commander, and team leader Lt. Kim Yager have been busy training volunteers to carry on the recruitment mission of
the team. Earth Day, and related stories, begin on Page 7.

Image electronically composed by Colleen Hoberg, TID; photos by Joy Lewis, TID, and Barry McDonald

Weideman takes helm at VX-9	3
Borden honored with R&D Award	12
Contracting team singled out	13
Team Award goes to IRIS members	16



Weather

	High	Low	Gusts	Humidity
Wed	89	43	19	47-11%
Thurs	81	51	26	42-17%
Fri	81	50	29	—
Sat	81	50	29	—
Sun	70	52	28	—
Mon	75	43	15	41-12%
Tues	83	40	13	60-16%

	High	Low	Gusts	Humidity
Wed	85	47	24	56-15%
Thurs	81	57	31	51-17%
Fri	70	37	14	55-14%
Sat	70	38	24	—
Sun	58	35	12	—
Mon	71	53	31	72-29%
Tues	68	41	24	55-26%

China Lake Calendar

Friday, April 21

- Switzer Circle closed for repairs
- Saturday, April 22
- Earth Day
- Spring Break Teen Dance, 6 p.m. to midnight at the Teen Center. Call 927-TEEN for more information.
- Switzer Circle closed for repairs

Wednesday, April 26

- Firing Officer's Awards ceremony, 3 p.m. Michelson Lab, Room 1000D

Thursday, April 27

- DRMO auction inspection begins, Building 1073

Through May 1

- U.S. Savings Bond campaign

Tuesday, May 2

- DRMO auction at Building 1073

THE ROCKETEER

RAAdm. Dana B. McKinney
NAWCWPNS Commander

Capt. Charles A. Stevenson
NAWSCL Commanding Officer

Cathy Partusch
Public Affairs Officer

Steve Boster
Managing Editor
Kathi Ramont
Staff Writer

Barry McDonald
Editor
Marge Hammett
Photographer

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Editorial deadline: 4 p.m., Wednesday of non-flex weeks.

This deadline also applies to submittals for the NAWCWPNNS Announcements contained herein; the PAO Info Line, and cable Channel 17, KNID Reader Ads.

Correspondence and material for THE ROCKETEER should be addressed to: Editor, THE ROCKETEER, Commander, Code C08033 (750000D), NAWCWPNNS, 1 Administration Circle, China Lake, CA 93555-6001; or they may be transmitted by QuickMail to Barry McDonald. (If unable to find this name: under the QuickMail menu select Directory Services, then select CL NAWC WIDE NS NameServer directory service and CL MAINSITE zone, and try find.) Fax information to 939-2796, or call 939-3354.

Information intended for use in PAO Info Line and KNID Reader Ads should be sent to Linda Lou Crosby at THE ROCKETEER's mail or QuickMail address, or she may be reached at 927-3095.

Advertising is the sole responsibility of High Desert Newspapers, Inc., 224 East Ridgecrest Blvd., Ridgecrest, CA 93555, (619) 375-4481.

Advertising deadline is noon, the Friday before publication.



The Commander's Desktop

By RAAdm. Dana B. McKinney
NAWCWPNS Commander



Question:

Why can't we get our leave and earnings statements on Friday, instead of Monday or Tuesday of the next week? I have a bank account out-of-state, and I worry about going out of town on a flex weekend if I haven't seen how much money is in my account.

Answer:

Payroll for NAWCWPNNS is processed at Defense Finance and Accounting Service, Denver, Colo. The leave and earning statements are printed on Wednesday of the pay week after the payroll is processed, and they are mailed on Thursday from Denver. Prior to March 18, 1995, the LES came from the printing contractor in Texas. According to Postmaster Gilbert Barker of the Ridgecrest Post Office, the majority of LESs are normally received and distributed on Friday. Some do arrive on Saturday and are distributed on Saturday. LES problems do occur when address changes are not current. All employees are reminded to put a change of address notice in with the Payroll Support Office, Code 761100D, in order to ensure accurate delivery of their LES. The money is deposited electronically to your account on Friday. Even if you do not receive your LES until a day or two later, you should be able to call your financial institution and request the amount of the deposit and your current balance.

Question:

I am tired of calling and calling and calling to get a shuttle reservation. Then I get a recording that they aren't there. They get mad if we don't cancel our flights but how about when we can't even make reservations? And when we can get to them, they are not pleasant to deal with.

Answer:

The Shuttle Reservations Office receives over a thousand phone calls monthly. There are two stations to answer incoming calls. There are times when the phones are busy; generally the early morning (7-10 a.m.) and late afternoon (3-5 p.m.). The reservationists are generally accessible between 10 a.m. and 3 p.m.

The answering machine is used when the reservationists are at lunch or out of the office. When one of the reservationists is on sick or annual leave, the answering machine is used to answer one of the lines. The reservationist will return all calls left on the machine. Please leave your name, number and a short message.

The most workable solution is to make reservations as early as possible. We suggest this be done up to 10 working days in advance. Cancel early if you are not going to use your reservation. Try to call between 11 a.m. and 3 p.m. to make reservations. Calls with cancellations can be made after 5 p.m., leaving your name, flight time and date of flight. If you cancel the day you had planned to fly, call the departure terminal as early as possible prior to the flight. The China Lake Terminal number is 939-5301 and Point Mugu's Terminal number is 989-7731.

Robert L. Dow services this Friday

Robert L. Dow, 30, a NAWCWPNNS employee (Code 473110D), has died from injuries received in a bicycle accident. Services will be held on Friday, April 21, at 1 p.m. at the Ridgecrest United Methodist Church, 639 N. Norma Street, Ridgecrest.

Following the service, there will be a reception in the church social hall. Dow is survived by his parents, Dr. and Mrs. Robert Dow of Chevy Chase, Md., and sister, Lucia Dow of Toronto, Canada. Burial will be in upstate New York.

Switzer Circle closed for road repair

Road closures are again scheduled for Switzer Circle. On April 21 and 22, Switzer Circle will have work in progress from 6 a.m. Friday to 8 p.m. Saturday. This is a flex-Friday weekend. Detours will be on Blandy and Bowen streets and will be well marked. For further information contact Melanie Lawler at 939-0092.

Pages From The Past

April 19 & 26, 1985

John Richards and Hugh McCoy were leading forces in developing a prototype Hi Speed Sled with a Tiger motor for use at SNORT. . . The Secretary of the Navy announced the disestablishment of NAMAT as NWC moved under SPAWAR. . . ET1 Mark Mahoney led the China Lake Rifle Team to the California State Service Championship for 1985. . . Manley Butler, Aircrew Gliding Escape System project manager here, recruited BLM Smokejumpers to help test the new system. . . Bob Freedman became the first China Laker to earn a 40-year service pin for a career entirely at NWC and NOTS.

April 18 & 25, 1975

George Bastedo ends 32 years of warhead fuel work with his retirement. . . AZ3 Tyrone O'Neal was named NWC's Shore Sailor of the Year. . . NWC's Ruel Cameron owns a 36-foot sailing sloop and is competing in a race from Newport Beach to Ensenada, Mexico. . . The home of the Charles Dye family at 3 Sage Place was destroyed by an early morning fire, but no one was injured. . . Mike Stallings became the first Sea Cadet from the IWV Navy League Council unit to enlist in the Navy.

April 16 & 23, 1965

Slim Winslow announced his retirement from NOTS and his wife, Sylvia, announced they would spend their days "exploring the deserts we love". . . Ney Award judges gave the NOTS China Lake Mess Hall a "most improved" rating this year. . . John Trigg of the Engineering Department unveiled the new, faster automated lathe in the Michelson Lab Machine Shop.

April 15 & 22, 1955

Two parachutes, dropped at 18,000 feet over the ranges, drifted into Station Housing last week, triggering a lot of excitement. . . Lt. Pebbles of the Naval Air Facility flew a HUP-2 helo on a mission to rescue a civilian test pilot who ejected from an F-104 Starfighter near Randsburg Wash. . . George Todd will chair the 1955 United Fund Drive.

COMMUNITY EVENTS

Charles "Len" Huckeba is the featured artist at the Sylvia Winslow Exhibition Gallery of the Maturango Museum through May 3. Huckeba grew up in Ridgecrest. Hours of the museum are Wednesday through Sunday, 10 a.m. to 5 p.m. Admission to the museum is \$2 for adults and \$1 for children ages 6 through 17. There is no fee to members and to children ages five and under. Art sales will benefit museum programs.

####

The United Methodist Church of Ridgecrest is sponsoring Jim and Jean Strathdee in concert on the evening of April 21 beginning at 7:30 p.m. Admission to the concert is \$8 per adult, or \$20 per family. The community is invited to attend. Child care for young children will be available in the church nursery. The concert will take place at the Sanctuary located at 639 N. Norma Avenue. On April 23 the church is celebrating its 50th anniversary. The all-day celebration will include activities and worship at the church. For more information call 375-7434.

####

Coso Dog Fanciers of California, the local AKC dog club, will be sponsoring the third Annual Hi-Desert Classic Dog Show at the Desert Empire Fairgrounds on April 22-23. This is an all-breed and obedience show and the public is invited. For more information, call Sandy at 375-7780 or Ruth at 375-2777.

####

In a salute to the 50th anniversary of Victory in Europe, the Warbirds in Action Air Show, presented by the Minter Field Air Museum, near Shafter, 12 miles north of Bakersfield, April 22-23, will feature a rare flying appearance of the B-17G "Flying Fortress." During the two-day show, more than 125 Warbirds will be at the 14th annual event. Show time each day is noon, with gates opening at 8 a.m. Admission is \$8 for adults, \$4 for children and children under six-years-old are free. For information, call (805) 323-2830.

####

The following 3-5 minute Parenting Advice Tapes can be heard by calling Community Connection for Child Care at 375-0446 from 5 p.m. to 8 a.m.; April

24 to 30, "Problem Eaters"; May 1 to 7, "Child Care Options."

####

The next family planning services clinic will be held on April 25 at the Health Department office, 250 W. Ridgecrest Blvd., from 9 a.m. to 3 p.m. These services enable each client under medical supervision to determine the number, timing and spacing of desired children. New patients, or patients returning after three years, are required to attend the informational family planning class, prior to being given an appointment. There is a sliding scale fee based on income and family size, and Medi-Cal is also accepted as payment. Depo-Provera injections are available. All patients are encouraged to take the opportunity to discuss their personal questions with the care provider.

####

Social Security representatives meet with individuals every other Thursday from 9:30 a.m. to 12:30 p.m. at Kerr McGee Center, 100 W. California Ave., Ridgecrest. Next dates are Thursday, April 27 and May 11 and 25. For further information contact the Social Security office at 701 W. Ave. K, Suite 109, Lancaster, CA 93534, or call 1-800-772-1213 any business day 7 a.m. to 7 p.m.

####

Upcoming meeting dates for the Committee for Safe Graduation are May 4, May 18 and June 1. All meetings will be at the Burroughs High School library at 7 p.m. Anyone interested in helping

out the IWV's 1995 graduating seniors is welcome to attend. A final meeting will be held at the Community Pool/Barefoot Bar area on Monday, June 5.

####

May 6 and 7, two art shows—two parks—only half block apart in Kernville. There are 55 spaces in Circle Park and overflow will be in Riverside Park. Shows are open to professional and non-professional artists and craft persons. Entry deadline is April 25 with a \$35 fee per space. For prospectus send self addressed stamped envelope. First time entrants must submit clear photos for screening to: KRVA, P.O. Box 588 Kernville, CA 93238 or call (619) 378-4109 or (619) 376-3948. The public is invited free of charge.

####

Returned Peace Corps volunteers are needed for an immunization survey beginning May 6. Interested volunteers are asked to attend a training session on Thursday, May 4, from 6-8 p.m. at Community Connection for Child Care, located at 1921 19th Street, Bakersfield. Please call (805) 861-5213 for more information.

####

Volunteers are available at the IWV Info Center at Ridgecrest City Hall, 100 California Ave., Tuesday through Friday, 9 a.m. to 4 p.m., to answer general questions about the city and local area. A 24-hour answering machine is on line and volunteers will return all calls. They can be reached at 371-3732.

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BUSINESSES	30
AUTOMOTIVE	35
MISC. FOR SALE	40
WANTED TO BUY	42
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DEADLINE FOR ALL CLASSIFIED
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1 PERSONALS

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work or problems with the kids?
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back yard, dishwasher, garbage
disposal, water and trash paid,

washer & dryer with hookups,
garage. \$495 month. 375-6340.
(4-20)

25 REAL ESTATE

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super duplex. Both units rented.
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(4-20)

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(4-20)

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42 WANTED TO BUY

WANTED: Old auto club road
signs, any condition. Jim 446-
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50 GARAGE SALES

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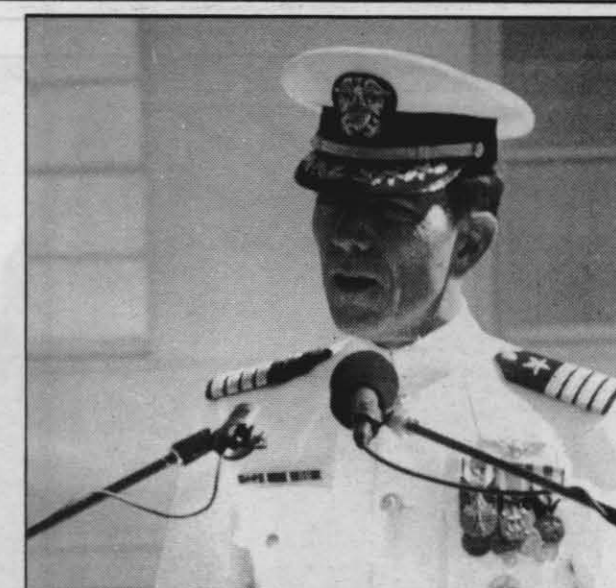
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Capt. Scott Ronnie, outgoing VX-9 CO



Vadm. John A. Lockard, NAVAIR commander



Capt. Craig Weideman, new CO

Weideman relieves Ronnie as Vampires' CO

By Kathi Ramont
Staff Writer

Air Test and Evaluation Squadron Nine (VX-9) and its many guests saw the squadron's change of command ceremony last Thursday morning on the Administration Building lawn. The large crowd included the squadron's 55 officers and 345 enlisted personnel, business associates, family and friends.

Capt. Scott C. Ronnie, outgoing commanding officer, was succeeded by Capt. Craig Francis Weideman (why-deman), who reports here from the Office of the Chief of Naval Operations, where he was F/A-18 requirements officer to the director, Air Warfare (N88).

Guest speaker, Vadm. John A. Lockard, commander, Naval Air Systems Command, was an attack weapons project officer for 18 months at Naval Air Facility, China Lake, in the late 1960s. "I remember being so impressed with the talent, dedication and professionalism of the men and women who make this place in the desert what it is. Now, some 20 years later, hopefully more sophisticated and definitely more experienced, I come here with a deeper still appreciation of the abilities and skills that you provide to our Navy and the nation," he said.

Lockard went on to say, "The challenges we face today are greater than ever before. You (Ronnie) have been a Navy leader in developing and improving communications, information and resource sharing. We may credit a significant part of this leadership role to VX-9's commanding officer. Since its establishment, AIRTEVRON Nine at China Lake, and its detachment at Point Mugu, have been under the command of Capt. Scott Ronnie. As CO of VX-5, he led the way to consolidation and then took on responsibility to make consolidation work once it had happened. To this job he brought exceptional talent, capability and all the experience the job would ever need."

Ronnie was presented with the Legion of Merit Award at the ceremony by RAdm. John J. Zerr, commander, Operational Test and Evaluation Force.

Ronnie expressed surprise at receiving the award and thanked all of the people in VX-9 for their part in his receiving it. Relating part of a speech that he had heard at the Naval War College, Ronnie said, "Success will follow if everyone takes care of the rank immediately subordinate to them. If all did this, leadership ever-present, the success of the organization is imminent. In the confusion of changing times, people look up for direction and guidance and spend all their time trying to outguess and please the boss. Not enough time is taken to train those directly below, preparing them to take your place, accept your responsibility and do the job successfully. After all, if every rank does it right, mission complete, the boss looks good. He, or she, is happy and you won't have to worry about what they think."

Ronnie also commented that "this training was evident throughout the squadron. Each rank taking care of one rank junior. Some may not have realized this, but it's going on. I think it is the reason for success in spite of odds. I challenge you to keep this trend going. If so, success will continue."

For her continual support of his Naval career, Ronnie thanked his wife, Susie, and presented her with flowers. He also gave thanks to his secretary, Ginger Tornquist, for making order out of confusion and keeping him on track.

Ronnie is leaving China Lake, after 21 months, to report as commanding officer of Naval Air Station Fallon, Nev., for his third continuous desert tour. Before coming to China Lake, he was executive officer at Naval Strike Warfare Center.

MILITARY NEWS

Lockard introduced Capt. Weideman to the audience by saying, "(He) brings 21 years experience as a naval aviator to his new job as CO of VX-9. Weideman started out in A-7 Corsair IIs, then transitioned to F/A-18s. He is no stranger to introducing new technology to the fleet. He was with VA-147 when it became Fighter Attack Squadron 147 and introduced the F/A-18C Night Attack Hornet to the fleet. To this practical experience he adds the vital knowledge gained during a Washington tour as requirements officer to the director of Naval Air Warfare in the Office of the CNO. We couldn't have found one finer, and I know new highs are in (VX-9's) future. I wish this tremendous squadron all the best. Forge the future with better capability to fight and win."

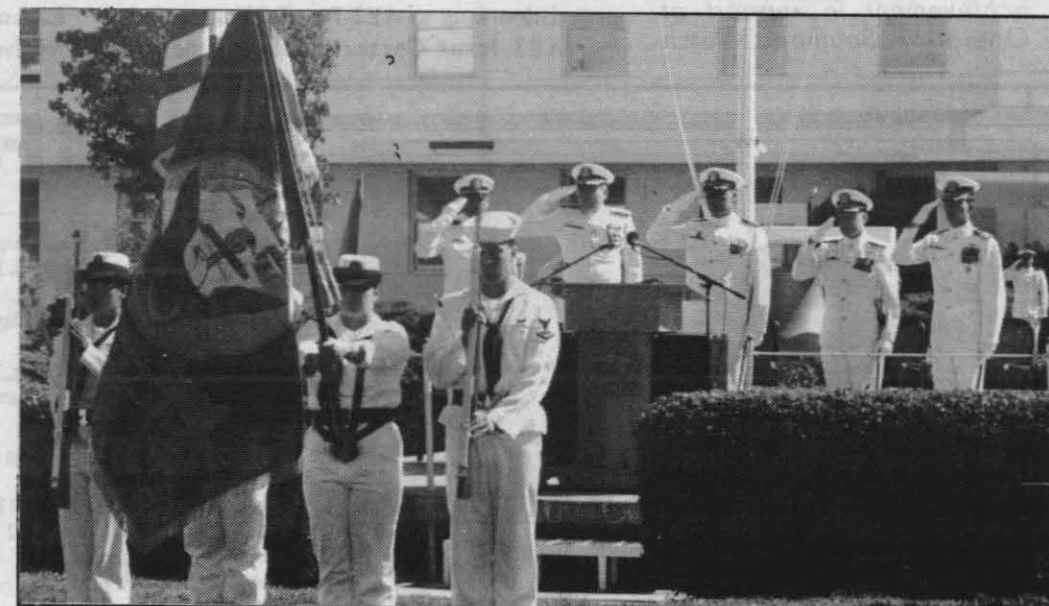
Weideman assured the Sailors of VX-9 that the leadership, readiness and fleet service they've known in VX-9 will continue under his command. "Airplanes, hardware, software, associated weapons integration and warring tactics are the awe and envy of fighting men and women everywhere," he said. "Aircraft are flown, tactics are devised by intelligent young Navy and Marine aviators of impeccable skills with a sense of honor, discipline and courage so appealing that Hollywood writers, best-selling authors and TV news journals continue to seek their drama.

"Our aircraft are maintained by the most enthusiastic and dedicated men and women from America's pool of patriotic servants. Men and women, civilian and military, who know no limit to personal sacrifice in the defense of our liberties," he continued.

"As we watch many of our units being downsized, reorganized or deactivated, we face unique leadership challenges. We need division officers and supervisors to create a climate where a sense of ownership fosters excellence, pride, teamwork and trust. We need to focus on reviving esprit de corps again and creating a quality culture where continuous improvement and service to our customers are the driving forces.

"Naval aviation's passion for excellence must touch us all. Fly smart. Strive for excellence on every mission and every take. Take pride in your performance and appearance. Execute each mission with a healthy balance between risk versus training reward, and make safety an integral aspect of our operational culture," said Weideman.

He encouraged everyone, "don't ever be less than you are. Don't ever give less than your personal best in support of what you know to be right and good."



COLOR GUARD presents colors before official party at beginning of change of command.

Photos by Margie Hammett

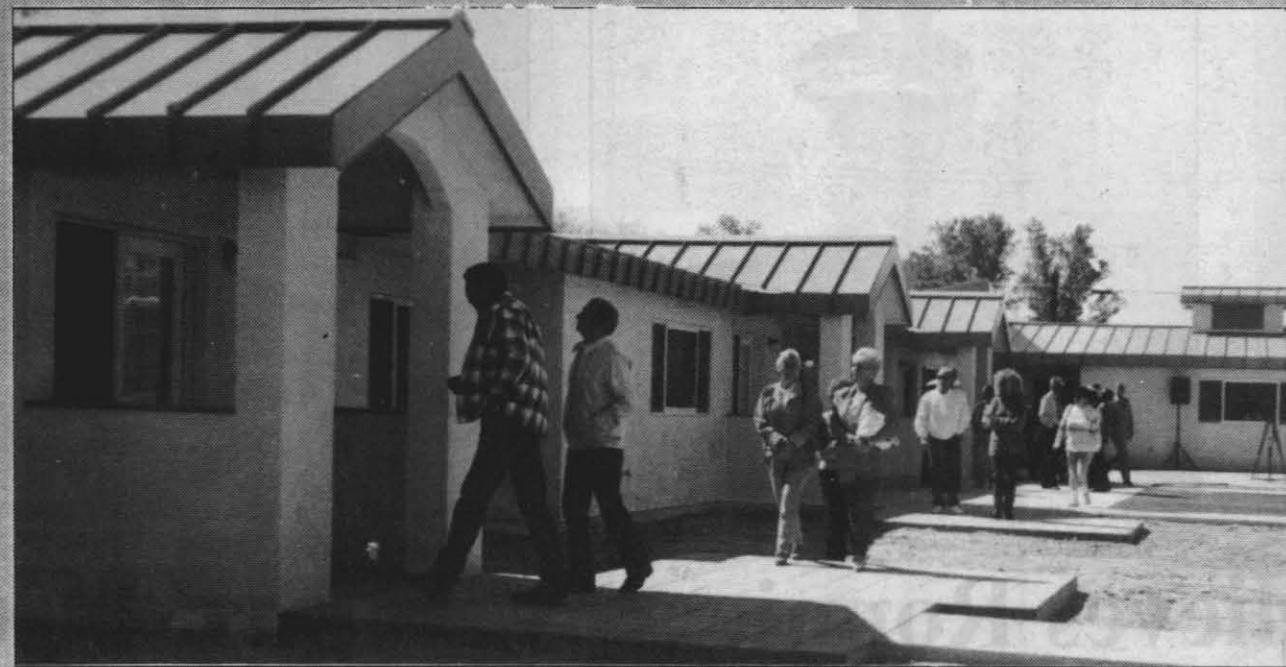


Photo by Margie Hamett, TID

QUALITY OF LIFE—A ribbon cutting ceremony was recently held at the new Bachelor Officer Quarters on Nimitz Avenue. John Stebbings, program manager for Shore Facilities, NAVAIR, joined Capt. Andy Ritchie, public works officer, in the grand opening ceremonies. Public Works Department's Facilities Engineering and Construction/Project Support divisions were responsible for the design and construction of the complex.

CNO announces new fitrep forms to make reports easier to write

WASHINGTON -- Chief of Naval Operations Mike Boorda approved a revised fitness report and evaluation system that will make reports easier to use, easier to write and more meaningful for individuals.

"Performance against clear, understandable standards will be our measure of excellence," said Boorda.

There will be one form for E-1 through E-6 and one form for E-7 through O-6. Both forms will share the same overall evaluation marks. The new forms include five categories of promotion recommendations: promote early, must promote, promotable, progressing and significant problem(s). In an effort to eliminate grade inflation, the new reports limit reporting seniors on the percentage of people who can be rated in the top two categories. A small narrative section will be limited to specific comments on achievement.

"A lot of hard work has gone into developing a useful, simple and improved system that will serve all our Navy personnel well into the 21st Century," said Boorda.

Counseling will be required at the mid-term of the evaluation period. Ensigns, CWO-2s, lieutenants (junior grade) and E-1s through E-4s will receive reports semiannually and counseling quarterly. Others will receive annual reports and semiannual counseling. The counseling report uses the evaluation itself, but will not be submitted to the Bureau of Personnel.

NAWS China Lake offers new schedule for Housing Office

The Housing Office will have new hours of operation as of May 1. New hours will be 8 a.m. to 5 p.m. Monday through Friday. The office will continue to be open during the lunch hour.

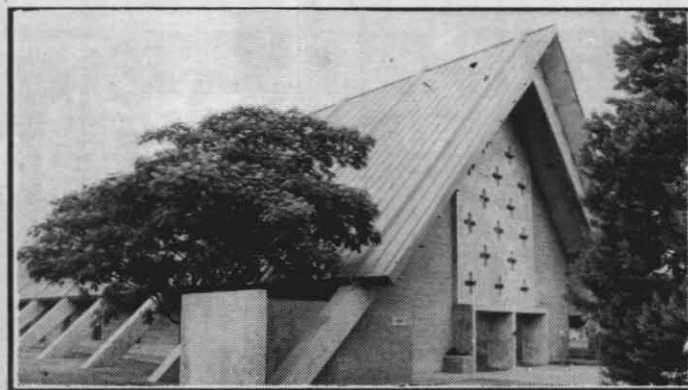
performance and repair of an AC-DC relay box cannon plug, jack and wire bundles on A6-E aircraft 605. AT2 Michael R. Good received a letter of commendation for outstanding performance of duties while serving with Strike Fighter Squadron 27. Letters of appreciation went to AO2 Phillip Martinez, AO3 Jonas Dobkins and AOAN Lynda Villifarra for support to the Strike Aircraft Test Squadron last December. AMS2(AW) David Philblad received a letter of appreciation for efforts regarding the preparation and painting of the deck in Building X of the Aviation Supply Division. For outstanding performances as personnel casualties in the Joint Disaster Preparedness exercise at NAS Memphis, ATAR Benjamin L. Andrews and AN Carrie Studdert received letters of appreciation.

Members of the Weapons Test Squadron were honored at awards quarters on April 10. Cdr. R. C. Sweeney, OIC, presented the Air Medal First Strike/Flight Award to Lt. Kevin S. Arnold for "meritorious achievement as a pilot of an A-6E aircraft while assigned to VA-196 in USS Carl Vinson supporting Operation Southern Watch from April 14 to June 24, 1994. In the successful completion of 20 missions over Southern Iraq, Lt. Arnold contributed to the success of the United Nations' enforcement of the no-fly zone."

AME2 Anita J. Farmer was honored with a commendation letter from the commander, Patrol Wings, U. S. Pacific Fleet, for performance with Patrol Squadron 17. Letters of commendation went to AE2 Randal Pearce and AE3 Jesus Cortez for their superior



Air Medal First Strike/Flight Award was presented to Lt. Kevin Arnold for meritorious achievement in support of Operation Southern Watch



Chaplain T. Mele, LCdr., CHC, USN
Chaplain C. Allen Ford, LtJg, CHC, USN
Chaplain Steve Leppman, Lt., CHC, USNR
Joel Abraham, student rabbi

Office Hours Monday-Friday, 0730-1630; Flex Fridays, 0730-Noon
939-3506, 939-3507, 939-2773, 939-2873

All Faith Chapel Services

Protestant

Sunday Worship Service, Main Chapel 10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher 9:00 a.m.
(September thru May)
Bible Study (East Wing), Wednesday 11:30 a.m.
(September thru June)
Men's Prayer Breakfast, East Wing, Thursday 6:00 a.m.
Adult Bible Study, East Wing, Thursday 7:00 p.m.
Jewish (446-3613 Messages)
Weekly Services, Friday, East Wing 7:30 p.m.
October through June
Hebrew Classes, Saturday, 1902 Dobb 2-5 p.m.
Adult Education, Saturday, 1902 Dobb 10 a.m. - noon

September through June

Religious School, 1902 Dobb
Tuesdays, Age 4 and up 5:30-6:30 p.m.
Friday, 2nd grade and up 6:30-7:30 p.m.

Roman Catholic

Sunday Mass, Main Chapel 9:00 a.m.
Daily Mass, Blessed Sacrament Chapel 11:35 a.m.
Confessions, Sundays 8:15 - 8:45 a.m.
Confessions, Weekdays By appointment
Religious Education Classes, Sunday
(September thru May)
1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher 10:30 a.m.
RCIA, St. Ann's School Library 8:15 - 9:45 p.m.
Islamic
Jumaa Prayer, Friday (1002 Blandy) noon

Hearing Impaired Equipment and Nursery are available

REC BITS

Morale, Welfare & Recreation Department

Writing and Layout by Debra Poindexter, MWR Marketing

A little class

Water color techniques

9:00 a.m. to 11:00 a.m., Craftech

Learn the fundamentals of water color. Topics covered include washes, glazes, wet-on-wet techniques, dry brush, color use, creating textures and purchasing the right materials. Sign-up today. Class start date depends on the number of sign-ups received. For more information, call 939-3252.

Water color-still life

1:00 p.m. to 4:00 p.m., Craftech

Put your new skills towards completing a painting. This class is open to customers who have taken Water Color Techniques. Artists should have some drawing experience. Class start dates depend on the number of sign-ups received. Call 939-3252.

Wet-on-Wet Oils

Saturday, May 6, Craftech

9:30 a.m. to 4:30 p.m.

Take home your completed oil painting in only 1 day! Good class for beginners through advanced. Class size is limited. Cost is \$35.00 per student. Wear old clothes, bring a sack lunch and get creative! Reservations require a \$10.00 deposit and must be paid by COB April 29th, 1995. For more information, call 939-3252.

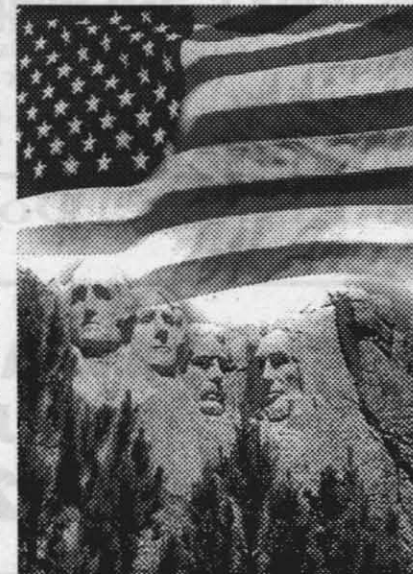
American Heritage Week 5K run/walk

Preregistration deadline is Monday, June 5th, 1995. T-shirts are included in the registration fee.

On race day, all participants are required to check-in at the registration area (China Lake Community Pool) no later than 11:15 a.m. Race day registrants need to register by 11:00 a.m. on June 19th with their completed entry form and entry fee.

Preregistration is \$8.00. Late or race day registration fee is \$10.00 (T-shirts will be ready for pickup 2 weeks after event). No refunds. Fruit, water and replacement fluid will be available at the finish line too. Rest rooms and dressing rooms are located inside the pool compound area. Medical assistance is available if needed.

Top three male and female runners and walkers receive awards in the parking lot area after the race.



Spring break teen dance

This fun dance is on Saturday, April 22nd from 6:00 p.m. to midnight at the NAWS Teen Center-"the vault." Free munchies and soda pop for only 25¢. The teens are the DJ's for the night. So, bring your favorite CD's and jam!

Admission is free for teen center members and all others pay \$1.00 per person. For additional information, call 927-TEEN.

Teen Center Spring Break Hours

April 17-21	9:00 a.m. to 7:00 p.m.
April 22	6:00 p.m. to midnight
April 23	12 noon to 8:00 p.m.

Magic Mountain teen trip

Teen Center members leave for Magic Mountain on Friday, April 21st at 7:00 a.m. from the Teen Center parking lot. Return time is 2:30 a.m. and each teen will be brought home by the Teen Center staff. Bring a sack lunch and extra money for snacks, etc. Parents may sign-up and pay the admission and transportation fee of \$21.00 at the Teen Center. For more information, call Bill Gilmartin, Manager, at 927-TEEN.



Live comics tonight

Two exceptional stand-up comics appear tonight from 5:00 p.m. to 11:00 p.m. at the Seafarer Club! The DJ begins the evening with music at 5:00 p.m. with dancing after the comedy show. The comedians start at 8:00 p.m.

Besides great comics, enjoy door prizes and a special menu. Active Duty Military receive free admission and all others pay \$5.00 per person. Tickets are available at the Seafarer Club. MWR encourages everyone to get your tickets in advance.

For more information, or to make your reservation, call the Seafarer Club at 939-8658.

Movie hotline in place



The "FREE" movie program is open to all active duty military, retired military, reservists and their family members. Refreshments are available! For more information call the movie hotline at 939-2413. It contains a recorded listing of current movies and show times.

Gym shorts Power lifting & bench press contest

Show us what you got during this Power Lift and Bench Press Contest scheduled for April 29th. Register no later than April 20th at 9:00 p.m. in the Gym. Competition will be held in three areas, bench press or bench, squat and deadlift (three attempts). UADFPF rules apply. Active Military Free, Retired Military \$6.00, DoD \$9.00 and CR's \$12.00. For information, call Loy Vincent or Chas Storey at 939-2841 or 939-2334.

Mileage club

We'll track it if you do it. Run, swim or bike 100, 500 or 1000 miles or workout for 50, 100 or 200 hours within the rest of this calendar year and we'll give you a T-shirt with that number of miles or hours on it. Program begins April 24th. Mileage can be recorded during normal business hours. Fees are Military and retired Military-\$8.00, DoD-\$15.00 and CR customers - \$25.00. For more information, call Loy Vincent at 939-2841 or 939-2334.

Introduction to circuit training

Learn how to operate the exercise equipment in the Super Circuit Room and the Main Weight room. Program is ongoing. Held Monday through Thursday, from 11:00 a.m. to 1:00 p.m. and 4:00 to 7:00 p.m. Each class lasts 15 minutes and begins on the hour. Enjoy this "FREE" fitness service for all customers. Have questions? Call the Gymnasium at 939-2334 or Loy Vincent at 939-2841.

Registration Form

Name: _____
Address: _____
City: _____
Zip: _____
Home Phone: _____
Work Phone: _____
Age: _____ Male ☐ Female ☐
RUNNER ☐
WALKER ☐
T-Shirt Size: _____
S ☐ M ☐ LG ☐ XLG ☐
In the consideration of the acceptance of my entry, I for myself, executors, administrators and assignees, do hereby release and discharge NAWS, China Lake, MWR and all personnel involved with this program from all claims of damages or demands, actions whatsoever arising from my participation in this event.
Participant's Signature _____ Date _____



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WILDFLOWERS from Page 7

Another area already in full bloom is the Woody-Glenville region. Lupine, owl's clover, fiddleneck, white forget-me-nots and wild mustard are currently blooming in the magnificent ranch lands of this area.

In Arvin, popcorn flowers and wild mustard are showing. The fields at the base of the Grapevine are awash with a sea of purple lupine, but poppies have yet to blossom. The Taft area is showing patches of lupine against deep green hillsides. A full display of lupine and poppies can be expected in the weeks to come. Additional horticultural opportunities can be found on the grounds of the West Kern Oil Museum in Taft, which are landscaped with a wide selection of native California plants.

Abundant displays of poppies are often found in Walker Basin. The hillsides along Caliente-Bodfish Road will soon be carpeted with baby blue-eyes, owl's clover, yucca and Indian paint brush. Weekend tourists will enjoy visiting the Cowboy Memorial and Library and the Havilah Historical Museum.

Some of the best viewing areas in Kern's high desert region are Short Canyon, Red Rock Canyon, and Walker's Pass, but visitors will discover wildflowers border almost every highway and byway. The contrast between the area's unusual geological formations and the delicate blossoms provides outstanding photographic opportunities. The desert floor is currently covered with purple sand flowers. Among the many varieties visitors can expect to see in upcoming weeks are desert candle, Mariposa lilies, and white and pink primroses. Spring's mild temperatures are perfect for exploring the many man-made and natural wonders of Kern's high desert region.

As summer approaches and wildflowers fade away Kern County has more to offer floral enthusiasts. The fields surrounding the communities of Shafter and Wasco are the starting grounds for 75 percent of the nation's bare-root roses. Nearly 5,000 acres are under cultivation, and the fragrant fields of tea, floribunda, climber and tree roses carpet the landscape in resplendent, variegated colors through early autumn. A tribute to America's favorite flower is held the second weekend in September at the Wasco Festival of Roses.

Please do not pick wildflowers or trespass on private property. Both offenses carry severe fines and/or six months in jail. Many plants are listed as endangered or threatened by state and federal agencies; destruction is a federal offense.

Remember, "Take only photographs and leave only footprints."

For the latest blossom update, wildflower maps, and information on all of Kern County's attractions and events, call the Board of Trade hotline, (805) 861-2367 or (800) 500-KERN.

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Achievement Medal to Lt. j.g. Greg Riley

Capt. Andrew Ritchie, NAWS China Lake public works officer, presented a Navy Achievement Medal on behalf of the Naval Facilities Engineering Command Contracts Office, China Lake, to Lt.j.g. Gregory R. Riley, for "superior performance of duties while serving as assistant resident officer in charge of construction from October 1991 to April 1995. Riley directly managed 25 construction contracts and provided exceptional management and innovative solution in administering the many projects assigned to him."



Lt. j.g. Greg Riley

New jobs open to women in uniform

WASHINGTON -- Women who want to join the Navy will now find even greater opportunities for specialized job training. Ever since the Congressional ban on women serving aboard combatant vessels was rescinded, the Navy has been working to increase the number of new female recruits who receive formal skills training at Navy "A" schools following boot camp.

This year, nearly 900 additional "A" school seats will be made available for new female recruits. This action will also help ease a potential backlog created by the fact that more women are signing up as GENDETs ("General Detail" accessions who will learn their skills "on the job") than fleet units can currently accept.

Opening more opportunities for women to get advanced training permits the Navy to continue aggressively recruiting qualified women while ensuring the balanced program of phased integration into combatant units proceeds smoothly. More openings for women at formal training schools will also mean greater representation for female Sailors in non-traditional, technical Navy career fields.

This year's requirement for female GENDETs has already been met. Women who prefer this option can still join the Navy. They can sign up now as part of the Navy's Delayed Entry Pool and begin service in the next fiscal year which starts on Oct. 1, 1995.

Almost 10,000 of the 50,000 people the Navy recruits this year will be women. That's almost 20 percent. Before the repeal of the Combat Exclusion Law, the percentage of women recruited each year was "capped" at about 12 percent, reflecting the limited availability of at-sea assignments.

California's veterans gain special car tags

Objective reached. That is the latest word from the California Department of Veterans Affairs (CDVA) regarding sales of the new red, white and blue veterans license plate.

Making it official, State Director of Veterans Affairs Jay Vargas recently presented a check for \$150,000 to Frank Zolin, director of the Department of Motor Vehicles. The money paves the way for the first 5,000 vet plates which should begin appearing on trucks, trailers and cars in California soon.

"It's going to be a beautiful plate. We're looking forward to this thing to be distributed," said Vargas, a Vietnam Medal of Honor recipient.

"To all the veterans in the State of California, let's show pride that you served the country and defended freedom."

According to Vargas, veterans purchasing and displaying the plates will be a tremendous asset in supporting county veterans service offices (CVSOs) statewide. Proceeds from the sale of the vet plates maintain or expand CVSOs.

Currently operating in 56 of California's 58 counties, CVSOs help veterans and their families apply for veterans

benefits, particularly those administered by the federal government.

California's three million veterans, as well as their friends and loved ones, may purchase a set of the patriotic plates at any DMV office. The annual cost is \$30.

As a sign of support for those who served in the military, vehicle owners participating in the program may display a special sticker on their plates.

The sticker may be selected from among 100 different emblems and logos representing many military associations, a variety of veterans organizations and every branch of the uniformed services.

OTHC Inyokern ten-mile road race and picnic May 7

Runners and walkers need to sign up now for the 21st Annual Inyokern Ten-Mile Road Race, sponsored by the Over-The-Hill Track Club on May 7.

To guarantee a t-shirt on race day, you must register early. Registration is \$20. Late entries could face up to a three-week delay in getting their shirts.

The race begins at 8 a.m. at the intersection of Highway 395 and Old Highway 395 (Brown Road). It is a straight

point-to-point, slightly downhill course, and ends at Inyokern Park on Sierra.

Runners are invited to bring friends and family for a picnic in the park following the race.

Last year about 30 people walked the almost-ten-mile course. Walkers usually start an hour or so earlier than the runners and keep their own time. If you start at 7 a.m., just add an hour to the time called out by the timekeeper when you cross the finish line.

Awards are given for the first overall male and female runners and age group awards depending upon the number of entrants.

Volunteers are needed to man the three water stops. Also needed are people to help out with results at the finish line.

For more information, call race director Jerry Banister at 377-4690.

Novice anglers encouraged to take advantage of free fishing dates and save \$\$ June 10 and September 23

California's two big angler "freebies" — Free Fishing Days — are scheduled on June 10 and Sept. 23 this year, according to the Department of Fish and Game. Both events are on Saturdays.

The June 10 Free Fishing Day occurs during National Fishing Week, from June 5 through June 11. California's second 1995 Free Fishing Day coincides with the nationally-designated National Hunting and Fishing Day.

Free fishing days are sponsored by the Department of Fish and Game as a means of encouraging adult (16 and above) novice and inactive anglers to sample the sport without the need to

purchase a state fishing license for that day.

In addition, the days are set aside for public recognition and appreciation of the millions of dollars sport anglers have historically contributed—and continue to—for the benefit of California's varied fisheries.

A California resident sport fishing license costs less than \$25, with sales of various stamps and ocean licenses contributing to state fishing coffers as well. Fishing licenses are not required for anglers younger than 16 years of age.

California held its first free fishing days in 1988.

Softball Standings

Date	Team	Score
March 30	Snafu's vs Grizzly Bears	12 8
	Shot Gun vs Beer Balls	15 13
	Run A Muk vs Vampires	9 8
April 4	Grizzly Bears vs Snafu's	18 4
	Shot Gun vs Anchors	10 8
April 6	Over the Hill vs Beer Balls	17 15
	Anchors vs Snafu's	13 11
	Run A Muk vs Grizzly Bears	29 19
April 11	Vampires vs Over the Hill	13 3
	Snafu's vs Shot guns	12 11
	Grizzly Bears vs Beer Balls	20 11

Intramural Basketball

Date	Team	Score
April 5	G & L vs Over Thirty	63 49
	R.E.D. vs Grinders	91 51
April 6	Marvels vs Dust Devils	41 38
	Ball Hawks vs Rebels	77 67
April 10	Marvels vs Rebels	74 62

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	\$248	
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SPORTS

B - Mountain challenge continues

It's spring, and that means it is time for mountain bike riders to start gearing up towards a fun summer. With the onset of spring MWR is sponsoring the fourth annual B-Mountain Mountain Bike Challenge.

The B-Mountain Challenge, in a three-stage series, started April 15. Riders were timed individually as they raced to the top of B-mountain.

The second stage is scheduled for April 29 and the king of the mountain will be awarded on May 13, the final stage. The best overall finish over the three stages will determine the winner.

For those not familiar with B-Mountain and the challenge it poses, the following can be expected: 2.2 miles of winding dirt roads with a total climb of

Family softball tourney at ballfields April 29

There will be an all-day family softball tourney on April 29 from 8 a.m. to 5 p.m. at Schoeffel and Knox fields. Cost is \$15 per team. MWR will be barbecu-

1000 feet, beginning with a gentle climb that quickly turns into a challenging steep grade. The tight switchbacks near the top will test the skills of even the best riders.

The 1994 series was participated in by 25 riders, and none of them was able to reach the top without dismounting. Riders can expect times ranging from 15 to 30 minutes for each of the individual climbs.

Information for the B-Mountain Challenge can be picked up at the base gym or by calling 939-0754. Registration will take place the morning of each stage at 7 a.m. in front of the base gym. Racing starts at 8 a.m. Cost of participation in each stage is \$1 for military, \$2 for DoD, and \$3 for non-DoD riders.

ing hot dogs and hamburgers at both sites. For information on this sporting event, contact Michelle Archuleta at 939-0754.

Gun club offers membership and safety classes for adults and youth

Ridgecrest's Sierra Desert Gun Club is teaching a hunter safety class on Saturday and Sunday, May 20-21. The 16-hour, two-day school will be held at the club's target range and clubhouse facilities at NAWS. Registration will be in the front lobby of the Ridgecrest Kerr-McGee Community Center, on Saturday morning, May 6, from 9 a.m. to 1 p.m. and Tuesday, May 9, from 7-9 p.m. A \$5 registration fee will be collected at the time of registration. The class size will be limited to 50 students.

Junior division membership to the Sierra Desert Gun Club is open to all residents of the area between 11 and 18 years of age. Both girls and boys are welcome. Junior members' parents do not need to be club members. Juniors may start at any time of the year. They do not have to wait and attend the annual marksmanship class first.

New members receive individual one-on-one instruction in safe gun handling and proper shooting methods. The club provides instructors and all necessary equipment and materials, including target quality rifles with slings and aperture sights.

Junior Division meets for rifle practice every Tuesday evening. The range is

open at 6:30 p.m. and the first relay begins shooting at 7. Squadding is on a first come-first to fire basis. Standard ammunition and range fees for junior members are 25 cents each.

Members and their drivers must have a NAWS Limited Area Access Pass, or get a temporary LAAP from Cecil Daley at 375-3989. For access to the club house and the high power range, the NAWS security department will issue all club members a yellow gun club, LAAP with a photograph of the member. This personal identification will be issued after yearly gun club dues have been paid and an update, including address, social security number and phone number, has been submitted to the club. The \$30 yearly general club membership and the \$12 junior payment is due Jan. 1.

The gun club LAAP is valid only for roads that lead directly to the clubhouse. Anyone found in other areas with firearms or ammunition is subject to apprehension, expulsion and confiscation of pass by the NAWS security police. Your gun club LAAP permits possession and transport of firearms and ammunition inside the restricted range area, your NAWS activity pass does not.

Earth Day

DoD sets standard in protecting air, land and sea

By Linda D. Kozaryn
American Forces Information Service

Twenty-five years ago, a senator from Wisconsin wanted the nation to wake up to the deteriorating environment. Gaylord Nelson wanted to make polluted rivers and smog-filled skies a political issue. To get America's attention, he declared April 20, 1970, to be Earth Day.

What followed was an astonishing grassroots explosion, Nelson said in a speech recounting the history of Earth Day. "The people cared, and Earth Day became the first opportunity they ever had to send a big message to the politicians — a message to wake up and do something," he said.

"The objective was to get a nationwide demonstration of concern for the environment so large that it would shake the political establishment out of its lethargy and finally force this issue permanently into the political arena," Nelson said. "It was a gamble, but it

worked."

The first Earth Day was followed in 1970 by the establishment of the President's Council on Environmental Quality and the Environmental Protection Agency. During the next decade the movement grew, and during the 1980s Congress passed legislation to ensure the military and other federal installations comply with the same environmental laws as the rest of America.

DoD's environmental protection responsibilities were thrust to the fore in 1989 when Defense Secretary Dick Cheney sent a memorandum to the service secretaries stating he wanted DoD to be the federal leader in agency environmental compliance and protection.



"We must demonstrate commitment with accountability for responding to the nation's environmental agenda. I want every command to be an environmental standard by which federal agencies are judged," he stated.

In 1993 Defense Secretary Les Aspin built upon DoD's environmental efforts when he created the Office of the Deputy Undersecretary of Defense for Environmental Security and named Sherri W. Goodman as its head. Previously, a deputy assistant secretary of defense was responsible for the environmental program. The goal of Goodman's office is to focus and energize the department's environmental efforts and fully incorporate environmental security into the

defense mission.

"In the past 25 years, the U.S. armed forces have emerged as national leaders in protecting and preserving the lands, airways and waters we use when we train and operate," Defense Secretary William Perry said in a statement honoring Earth Day.

Perry said DoD has an aggressive environmental program for four reasons. "First, because environmental responsibility must be an integral part of any large organization with industrial activities and DoD is the nation's largest," he said. "Second, because many of the department's practices over the years, while acceptable and legal at the time, have created an extensive environmental cleanup task. Third, because DoD must comply with the same state and federal environmental states, regulations and policies as the rest of the nation.

"Finally," Perry stated, "DoD has an aggressive environmental program because it is critical to the defense

Please see **EARTH DAY**, Page 9

REPLAY announces Earth Day changes to area recycling efforts

The NAWS REPLAY (Recycle Everything, Protect the Lake And You) recycling program is introducing a change in the materials they can accept for recycling. Effective April 24 unopened junk mail, and all envelopes, can be placed in the recycling bins or brought to the drop off area. This even includes "window" envelopes. Documents with Post-it Notes (yellow stickies) can now be included with our color paper without having to remove the offending items.

L. R. "Tree" Crabtree, head of the Recycling Branch in Supply, states the proximity to Earth Day is only a coincidence, but appropriate because this change is possible because of the efforts

of many people and organizations to make recycling easier and more beneficial to the environment.

"Previously we could not accept unopened junk mail because it often contains a few sheets of coated paper, which is slick magazine stock," Crabtree said. "It was not cost effective to open all of this mail and remove those few sheets of paper so all junk mail was still going to

the landfill. Some mills have now been able to alter their process so that a small amount of coated papers in the recycling mix will help float off the inks during the recycling process. This was also made possible, in part, by the ink manufacturers who have been introducing inks which are more water soluble than in the past."

The envelope manufacturers have gotten into the act by altering the glues they use to manufacture envelopes. Envelopes will go in with the low grade paper, but at least they are not lost to the recycling process. Likewise, the manufacturer of the "yellow stickies" has changed the glue. They are still an undesirable item, but they are allowed in the low grade papers. It is more cost effective to place a document which is contaminated with these stickies in the low grade papers than it is to spend time removing them.

"We do not know who gets the credit for allowing the window envelopes," Crabtree said. "We just received that announcement and it caught us completely by surprise."

Please see **REPLAY**, Page 9

Wildflowers dazzle Kern County hills and valleys for all to enjoy

With a little cooperation from Mother Nature, the hillsides should be ablaze for the 16th annual Arvin Wildflower Festival, April 21-23.

A dazzling display of colorful wildflowers has emerged in the hills and valleys of Kern County, signalling the arrival of spring and offering opportunities for tempting day and weekend treks for winter-weary residents.

According to Ann Gutscher, manager of the Kern County Board of Trade, viewing and photographing the Kern's magnificent wildflower and blossom displays has become a favorite spring pastime for central and southern California residents. The Board of Trade maintains a "Wildflower hotline" to update sightseers on the best viewing areas.

Citrus orchards have weathered the recent storms adorning the rolling hills east of Bakersfield and in northern Kern County. Fragrant drives through orange, grapefruit and lemon orchards can be found along Highway 65 from Highway 99 to County Line Road and on either side of Highways 178 and 58, east of Bakersfield. Citrus has a short blossoming season, depending upon weather conditions.

In contrast to the delicate, pastel orchard blossoms are the variety of wildflowers that splash vibrant colors across the county's landscape each year.

The Kern River Canyon and the Kern River Valley are ablaze in color, creating an incredible view and an added attraction for tourists headed toward this popu-

lar recreational playground. In bloom against deep green hillsides are fiddleneck, California lilacs, lupine, filaree and poppies.

Wildflowers are just one benefit derived from recent rains. The rising water levels in the wild and scenic Kern River and Lake Isabella itself ensure a superb and lengthy season for whitewater rafting, fishing, sailing and other water sports.

Another area already in full bloom is

Please see **WILDFLOWERS**, Page 24

Take a wildflower walk with museum

Take a walk on the wild side with the Maturango Museum. Judy Breitenstein will once again lead you in discovering the many unique wildflowers in the local area. The tours will be held April 25 and May 10 and 25.

These all-day tours have about three hours in primitive conditions so you will need some supplies. Wear a hat, sturdy shoes and layered clothing. Bring plenty of water, sun screen, a sack lunch and a 10x power hand lens.

Also suggested is a copy of a book on desert wildflowers. Books are available at the museum.

Tours leave from the museum at 8:30 a.m. and return by 3 p.m. A \$3 donation is asked to defray museum costs. Tours are limited to 15, so call for reservations immediately. If there is snow, the tours will be cancelled. Otherwise, the game is a go.

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Dust storms are caused by 'Owens Lake event'

By Kathi Ramont
Staff Writer

Dust. Nasty, horrible stuff. Two weeks ago the Indian Wells Valley was covered with a fine, white dust that covered cars and plants, left a bad taste in mouths and made breathing harder.

What was that stuff, anyway?

According to Brenda Mohn, from the Environmental Program Office, what happened last weekend was completely unrelated to dust abatement work (or anything else) at China Lake.

"What happened was an 'Owens Lake Event,'" said Mohn. "This is a problem caused by the diversion of water by the Los Angeles Department of Water and Power that would otherwise flow into the now dry Owens Lake. Due to its physical and chemical configuration, the dry lake bed undergoes a unique process which results in very large quantities of minerals forming on the surface as a very fine (sub-micron), loose powder. During even moderately windy conditions, this material is lofted into the air and produces what we all saw recently,"

Dr. Pierre Saint-Amand, a retired China Laker well-known for his work in the earth and planetary sciences, explained, "Water and cool weather make the dust storms worse because of

some little-known chemical reactions. The upper few feet of the Owens Lake bed contain millions of tons of sodium and potassium sulphates, carbonates and chlorides originally brought in by the rain, delivered by the river and concentrated by evaporation.

"Groundwater carries these alkalis to the surface by climbing the sides of the clay grains and filling the spaces between them. When the water evaporates, crystals of the salines form at the dry surface. In the cool of winter, with enough water on the surface, the dried alkali takes up water of crystallization and forms complexes of sodium carbonate, sodium sulphate and water.

"This forms new crystals that are an impure form of ice. When solidifying, they swell to five times the size of the original alkali crystals. The crystal growth forces the clay grains apart. They remain solid as long as the temperature stays low; in warmer weather, the crystals release the water and dissolve in their own liquid, which then dries out.

"The crystals grow from the bottom up. When they reach up about a half an inch, the top part loses water vapor to the dry air. They revert to structureless bits of dry alkali and shrink by a factor of five. The lake bed, in early spring, is covered by a soft, floury mixture of alkali and clay particles so light and fluffy

that the weakest wind can carry them aloft.

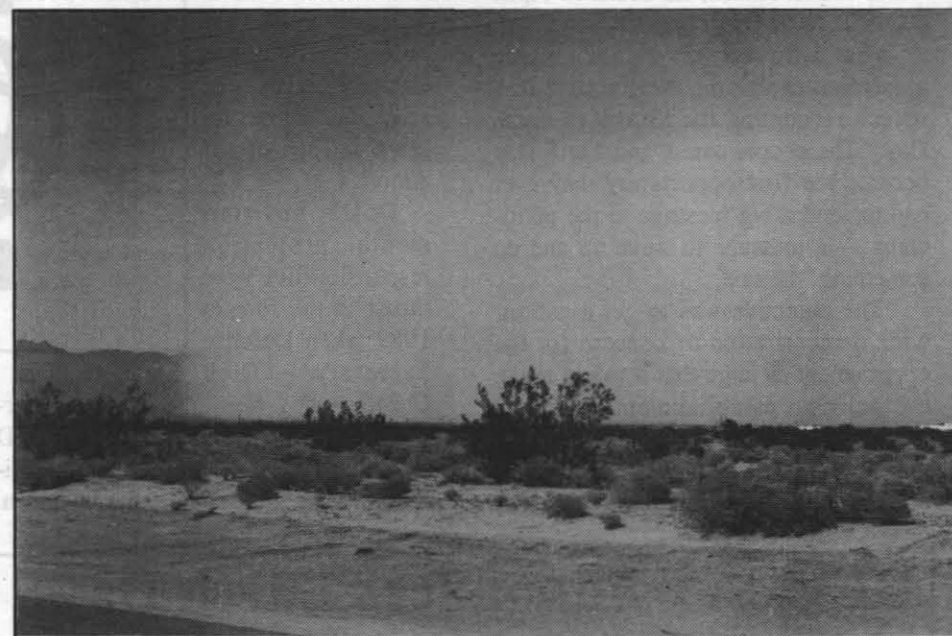
"Wetting the surface to lay the dust makes it worse. Not enough water is now available to fill the lake and to cover the whole 110 squares miles of the surface. Ten feet of water would evaporate from the surface every year."

Keeler, a small community just east of the lake bed, usually bears the brunt of the problem, but when winds aloft are out of the north or northwest, and the

lake bed is "ripe," the problem is seen in the Indian Wells Valley.

"This has not been a serious problem in the Indian Wells Valley in recent years due to the drought. Heavy rains this past winter have resulted in a return of Owens Lake to its former "glory" as...no joke...the single largest source of fine particles in the nation. On a peak day, about 50,000 tons of pollutants are

Please see **DUST**, Page 22



DUST storms hit the Indian Wells Valley from Owens Lake, covering the area with a fine, white powder that makes visibility and breathing difficult.

DUST from Page 8

emitted from the lake," said Mohn.

Great Basin Unified Air Pollution Control District (portions of China Lake fall into this district) has been working for more than 10 years to figure out how to solve this problem, in large part with funding provided by Los Angeles Department of Water and Power.

A joint China Lake/Edwards Air Visibility Program has been involved in this process as a member of a technical advisory group due to the potential impact to the test and evaluation missions at both facilities. Once a feasible control strate-

gy is adopted (scheduled for a year from this summer), LADWP will be required to pay for its implementation.

The material coming from Owens Lake is a significant respiratory irritant due to both its extremely small size (it can be inhaled quite deeply into the lungs) and its chemical constituents (it isn't the same as fine sand).

It is widely recommended that people refrain from outdoor exercise during these episodes. Also, people with respiratory problems, such as asthma, may want to be particularly careful.

PROCUREMENT from Page 13

concepts and transition through demonstration of mature technologies to support successful development and production of affordable next-generation strike tactical aircraft platforms.

Roseman commented, "The JAST Program is structured to provide proven, affordable components and manufacturing processes and demonstrate advanced aircraft design concepts. JAST will facilitate a marriage between the service's requirements communities to develop a set of joint requirements to guide program efforts and evolve an affordable strike warfare system." Initial operational capability is scheduled for the year 2010.

When the JAST program was established, the undersecretary of defense

(acquisition & technology) directed the use of streamlined acquisition procedures and a paperless process. The program's mission, goals and objectives reflect a strong commitment to streamlined acquisition processes.

"This common sense approach to paperwork reduction was evident in two previous demonstrations in FY94. The use of electronic proposal submission, evaluation and source selection in conjunction with broad agency announcement solicitations continued with the China Lake effort," said Schwartz.

"These very successful demonstrations of streamlined and paperless processes significantly reduced government and industry cost and time in completing initial procurement."

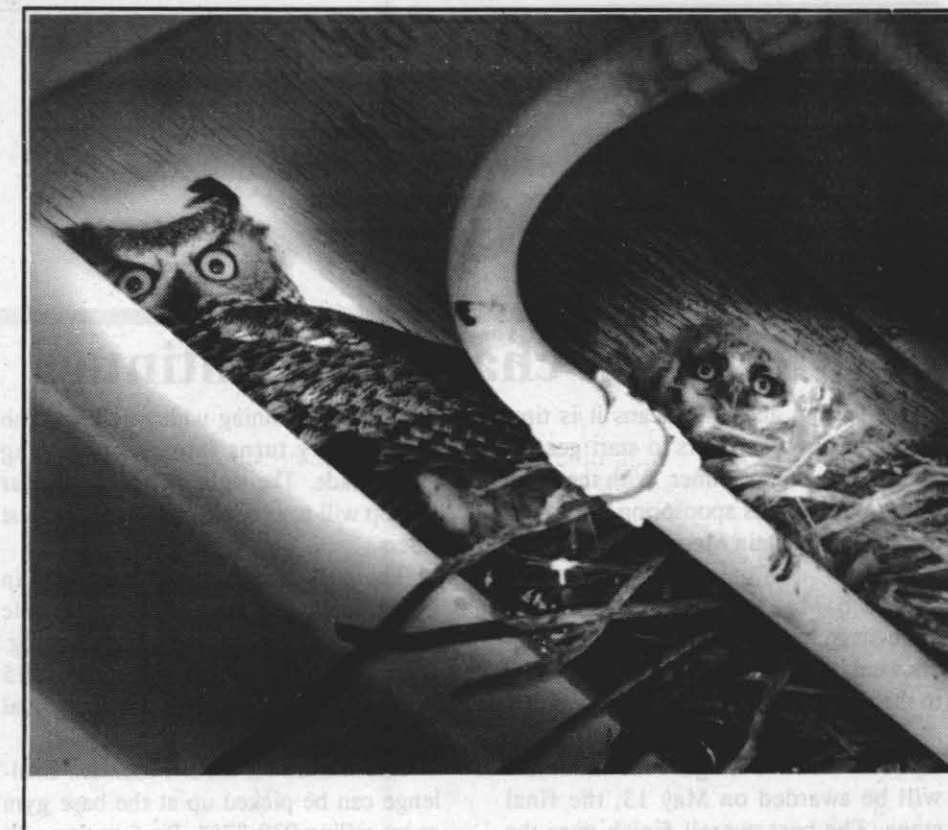


Photo by Tim Tyson, TID

GREAT HORNED OWLS have made a safe, comfortable home for their family in one of the old towers near the north end of Thompson Lab. Shown here in their nest are mama owl and one of her wide-eyed babies. The people who work at Thompson Lab have been checking on the owls every day and they think that there is more than one baby. Apparently many of the smaller birds who also live in the lab's north range area are very unhappy with the owl family for moving into their turf. Folks say that the smaller birds set off a racket of noise every time the owls come out of their nest.

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'Law Day' legal services available active duty on walk-in basis May 1

May 1, 1995 marks the 38th annual nationwide observance of Law Day. Congress and the president by official proclamation have set aside May 1 as a special day for recognition of the place of law in American life. RAdm. Dana B. McKinney and Capt. Charles A. Stevenson have also signed a joint proclamation recognizing Law Day here at China Lake.

Additionally, Lt. Stroble and Lt. Hatley, the staff judge advocates for the Naval Air Warfare Center Weapons Division and Naval Air Weapons Station, China Lake site, respectively, will devote May 1 to providing legal assistance services to active duty military members and their dependents on a walk-in basis.

No appointments are required nor will any be taken. LNI Overton will provide notarizations and powers of attorney and Lts. Stroble and Hatley will provide advice on substantive legal issues of concern to eligible military and dependent clients.

It is requested that individuals interested in taking advantage of this service go to Jackie Warren's office, Room 1022, in the Administration Building and she will direct them either to Lt. Stroble, Lt. Hatley or LNI Overton.

UCLA many offers summer courses

During the summer quarter, UCLA Extension offers many electronics and electrical engineering short courses. Sample titles include: "Digital Avionics Systems," July 24-28; "Cost Estimation and Economic Evaluation of Projects," July 11-14 and "Wavelet Transform applications to Data, Signal, Image and Video Processing," September 11-15.

All courses meet at the UCLA Extension Building, 10995 LeConte Ave., adjacent to the UCLA campus from 8 a.m. to 5 p.m.

Also presented is the 43rd year of "UCLA Programs at Ojai," meeting June 11-16 and Dec. 3-8.

For complete information, including a free booklet detailing all summer quarter engineering short courses, call (310) 825-1047, FAX (310) 206-2815, e-mail mhenness@unex.ucla.edu.

Or write to Department of Engineering, Information Systems and Technical Management, UCLA Extension, 10995 LeConte Ave., Ste. 542, Los Angeles, CA 90024.

Efforts recognized...



Photo by Margie Hammett, TID

W. E. "Bill" Davis, director of the Retired Affairs Office, was surprised by Capt. Roger K. Hull, Naval Air Warfare Center Weapons Division vice-commander, and Capt. Charles A. Stevenson, Naval Air Weapons Station China Lake commanding officer, at the 10th annual Retiree and Alumnus Appreciation Day held April 12, when he was presented with a letter of appreciation from command for setting up the retiree office and organizing the volunteer program. Davis, once again, says he is officially retiring so that he can pursue the activities he had planned to do the first time he retired. While he will no longer hold the director position, he will continue to work as a volunteer.

Every day is an energy savings day

By Peggy Shoaf
Environmental Public Involvement Office

In keeping with the theme, following are a few suggestions on how you can make Earth Day 1995 a success.

Heating and cooling your household are the biggest single energy users in the home, accounting on average for 59 percent of overall home energy use.

There are a few simple things you can do to reduce this consumption.

- Turn the thermostat down. You can save two percent on your heating for every degree you turn your thermostat down
- Get your furnace tuned-up by a heating technician
- Turn your water heater down to 130 degrees, or put it on an "energy-conservation" setting
- Insulate your water heater with a pre-fab "blanket," making sure not to block air vents

- Clean or replace the filters on your air conditioner once a month
- Replace or add weather stripping around doors and windows
- Insulate walls and ceilings

To help reduce the demand for energy.

- Turn off lights
- Air-dry the laundry
- Use low-wattage appliances
- Car pool
- Walk
- Recycle

Take the time to assess your home for alternative energy improvements. Then consider improvements such as roof-mounted photoelectric panels, a sun room, fireplace, windmill or a water-turbine generator.

And finally, keep energy conservation in mind every day. You, and your whole family, can take an active part in preserving this world for future generations to enjoy.

RECYCLING from Page 7

Locally, credit goes to Sam Treece, the manager of the REPLAY program. He has spent the last several months tracking these changes and identifying the mills and brokers who are handling the new mixes so the Navy could take advantage of them. These changes will

simplify the sorting process and will bring the recycling program another step closer to breaking even.

Those not already familiar with REPLAY can call Sam or Tree at 939-2522 to learn about the other materials they are able to recycle.

EARTH DAY from Page 7

mission. It protects the quality of life of our forces and their families from environmental health and safety hazards where they live and work."

The Defense Department has 25 million acres of public land under its control. This territory includes industrial facilities, archaeological and historic sites and the habitats of various endangered species.

"Under Dr. Perry's leadership, the military has accepted its environmental responsibilities and picked up the pace of developing related skills," said Goodman.

Such national environmental groups as the National Audubon Society, National Wildlife Federation and Worldwatch Institute have come to recognize the military is making environmental progress. Six environmental groups prepared a statement for a publication citing DoD's environmental successes.

"Today's military services are taking important steps ranging from cleaning up toxic pollution to caring for endangered species to restoring vast amounts of land under military charge," the groups stated.

"There's a growing recognition in today's military that fouled water supplies, poisoned land and pollution-induced disease — both foreign and domestic — may be as formidable an enemy as any foreign adversary."

According to DoD officials, there are

more than 10,000 contaminated sites at 826 bases. Ninety-three defense installations along with 15 formerly used DoD sites are named on the Environmental Protection Agency's National Priorities List. DoD will spend \$5.6 billion this fiscal year for all of its environmental initiatives, officials said.

According to Gen. Ronald R. Fogleman, Air Force chief of staff, the cornerstone of DoD's environmental program must be "a dedication to forging partnerships with the regulatory agencies with whom, too often, we have had adversarial relationships. Only then can we expect to reap the benefits of teamwork which brings to bear the combined talents and energies of our respective communities and makes a significant, lasting difference in the quality of our environment."

Successful environmental programs are under way DoD-wide and at the grass roots level at individual installations. Each service met its 1987 goal of cutting its hazardous waste in half by 1992; DoD has set a new goal of further reducing hazardous waste another 25 percent by the end of 1995.

In addition, Renew America, a consortium of 60 environmental groups, produces an environmental success index—a database that communities and organizations can use to learn more about successful environmental programs throughout the United States.

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TECHNICAL HIGHLIGHTS

PATHFINDER from Page 1

will lift off for Mars in December 1996 carrying the Pathfinder spacecraft and the MFEX. Seven months later the spacecraft will arrive at Mars.

The scheme for bringing the MFEX safely to the Martian surface involves a reentry heat shield, parachutes, a retrorocket system and air bags. The heat shield will protect the landing package as it plummets through the higher levels of the atmosphere, trading off speed for heat.

At an altitude of about 25,000 feet and a speed of 1,000 miles per hour, a 28-foot parachute will be deployed to slow and stabilize the system. At about 18,000 feet, the heat shield will jettison, leaving the rocket platform and landing package (a tetrahedron five-feet on a side containing the micro-rover and support equipment) still approaching the planet's surface at 250 miles per hour. Next the landing package will be lowered 65 feet below the rocket platform on a tether.

The rocket platform, with payload now hanging below it, will continue to slow until it is approaching the surface at 150 miles per hour. At an altitude of about 250 feet, a radar altimeter in the rocket platform will sense the ground and an on-board computer will fire the retrorockets, slowing the rate of descent to zero when the landing package is about 30 feet above the ground. The tether will then separate from the landing package and the rocket motors will continue to burn for another



MICROOVER—Test items and safety cage are tethered beneath UH-1 helicopter prior to test.

0.3 to 0.4 seconds, carrying the platform and the parachute well away from the package.

Falling slower than on Earth (Mars' gravity is only about three-eighths that of Earth's) the landing package's

impact with the surface will be cushioned by air bags on each of the four surfaces. The air bags will then deflate and be withdrawn into the landing package. Next the three top panels will open like a flower, righting the

Don't use that American Express charge card for personal expenses

By Evelyn D. Harris
American Forces Information Service

Some DoD employees and military members have been abusing their government American Express cards, and DoD and American Express officials want it to stop.

The cards are designed to help DoD people manage out-of-pocket expenses while traveling on official government business. The major abuses involve unauthorized cash withdrawals and charges made while individuals had no DoD travel orders, officials said.

John J. Hamre, DoD comptroller, recently outlined a plan to strengthen management of the card program. Among other steps, he asked DoD organizations to cancel cards as soon as people leave DoD. He asked the services to train users on their responsibilities and card benefits and to develop clear policies and disciplinary procedures for card abusers.

In addition, with DoD officials' support and approval, American Express strengthened its internal controls over the government card. Those controls will prevent some unauthorized uses and make it easier to catch abusers.

First, American Express is working

on a system that monitors each person's automated teller machine usage. A computer automatically flags the account if a withdrawal doesn't meet certain criteria.

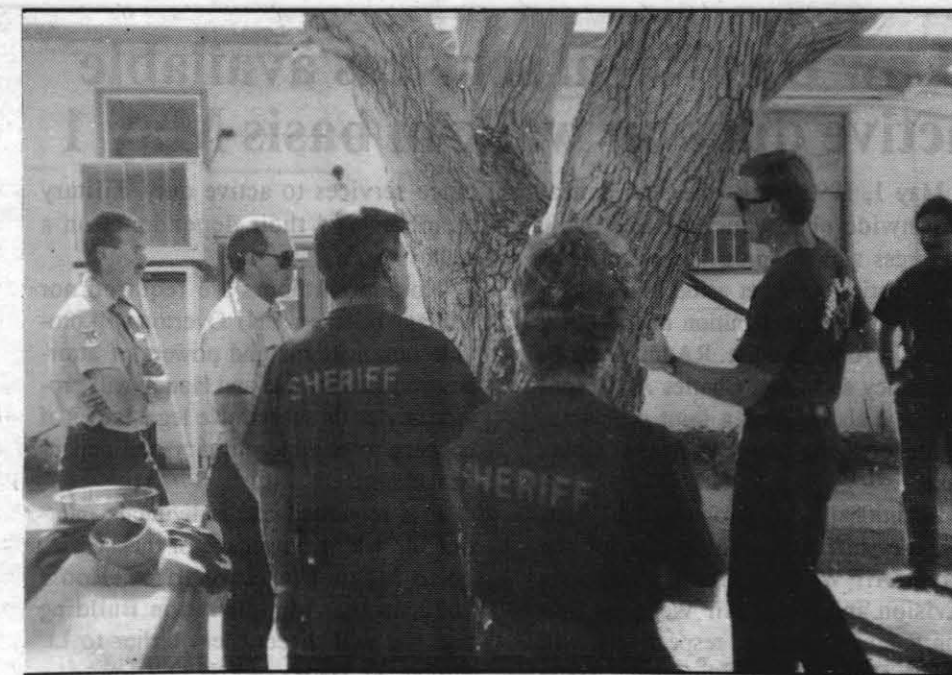
"People should be incurring expenditures related to travel or permanent change of station moves," said Terry Gorbach, an American Express spokesman. "If all we see is a person going to an ATM machine close to where they live and withdrawing cash, the red lights go off."

In addition, American Express applied retail blocks to prevent people from using the government card for mail order catalogs or home television shopping channels, said Gorbach.

Retail purchases, such as in department stores, are limited to \$500 a month and are intended to cover mishaps that may occur during official travel, such as lost luggage. The retail block does not apply to hotels, restaurants, car rentals and other transportation expenses.

Using the card for nonauthorized expenses isn't the only problem, said officials. Some DoD travelers are delinquent in paying American Express for legitimate expenses. Government travelers are expected to file travel vouchers and pay their American Express bills promptly.

"Even long trips are no excuse for



WRAP THREE, GRAB TWO—NAWS firefighters recently received training from members of the Indian Wells Valley Search and Rescue (IWVSAR) Team. Knowledge of rescue ropes, knots and rigging is training necessary to meet the Occupational Safety and Health Association (OSHA) Confined Space Rescue Standard. IWVSAR Captain and Team Leader John Paull and Gail Paull (with sheriff shirts) along with other Fire Division personnel Mike Farage, Dave Bruehl (left) and Bruce Carver (far right) watch firefighter Shon Thomey tie anchor rigging. Others present but not shown, were IWVSAR Team member Mickey Johnson and firefighter Frank Balsz.

late payment," said Gorbach. "Persons on official travel lasting 45 days or more are supposed to file interim vouchers so they can be reimbursed and then pay American Express."

DoD will punish people who misuse

their cards. Military discipline ranges from letters of reprimand to courts-martial. Civilian actions range from counseling to removal. In addition, American Express has an active collection agency, but it also may sue for nonpayment.

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Telephone Tidbits

About that voice mail...

A number of you have suggested that we "lose" that rude voice that speaks to us from the voice mail system. You know, the voice that says: "Your call has been forwarded to a voice mail service, but the number you are calling does not subscribe. . . good-bye" and then disconnects the call. Unfortunately, losing the voice isn't possible, but here are some suggestions that will ensure that your callers do not receive the message.

1) Don't forward your telephone to another telephone unless you are certain that someone will be there to answer it.

2) If you forward your telephone and you have a "939" number, do not forward it to a "927" number (or vice versa). If no one answers the "927" number and it rolls over to voice mail, the caller will receive the dreaded message. While the 939 and 927 voice mail systems work together, they are not interchangeable and a subscriber on one system is not a subscriber on the other.

3) Use the operator assistance capability offered by the voice mail system. Your callers can leave a message or be transferred to another person on-station. In your greeting, you can tell callers to press zero after the tone to speak to your assistant, your secretary or whomever you choose. To assign a custom operator

ward it to a "927" number (or vice versa). If no one answers the "927" number and it rolls over to voice mail, the caller will receive the dreaded message. While the 939 and 927 voice mail systems work together, they are not interchangeable and a subscriber on one system is not a subscriber on the other.

telephone number, press 80 after logging in to the voice mail system; press 1; enter the desired telephone number; then press #.

4) If you have voice mail, let it work for you. Even if you are using different offices throughout your work day, you can access your voice mail from any telephone to listen to your messages.

800 Numbers for Voice Mail

There's no longer a need to use your calling card to check your voice mail while on travel. Two 800 numbers have been installed for your convenience. If you are on the 939-3000 voice mail system, dial 1-800-376-4019. If you are on the 927-2400 voice mail system, dial 1-800-383-6012. Once the system is accessed, log on as you usually do. Be sure you are using the right 800 number to access your mail box; if not, you will receive a message that you are entering the incorrect password.

Direct dial for overseas calls

The CTS now has direct dial capability for overseas calls originating from China Lake. If your job requires overseas calling, this capability is a substantial time- and cost-saver. To have this capability implemented on your telephone, submit a CSR to 724410D requesting Overseas Direct Dial access. List each telephone number that is to receive this access and have the CSR signed by the proper authority for your code.

Calling card change

Code 724410D is in the process of replacing all Contel calling cards with FTS2000 cards for CONUS calls and MCI cards for overseas calls. Representatives from your code have been contacted about this change. The Contel cards will be deactivated in June 1995. If you have questions about whether or not you need a calling card, contact the responsible person in your code.

DRMO sets government auction for Tuesday, May 2, at Building 1073

Local auction 41-5170 will be conducted by the Defense Reutilization and Marketing Office at China Lake on Tuesday, May 2. Faxed bids and bids dropped off at the sale site will be accepted until 3 p.m. on May 1. Bids accepted after 3 p.m. will be considered as non-responsive.

The items will be on display for inspection April 27, 28 and May 1 from

7:30 a.m. to 3 p.m., and on May 2 from 7:30-9:30 a.m. A complete list, as well as sales terms and conditions, can be seen at the DRMO in Building 1073.

Among the 160 items to be offered will be camper shells, evaporative coolers, small parts/hardware drawers, fork-lift, snap-ring drums, refrigerators, lathe, band saw, blue print copiers and encyclopedia sets.

Registration for this sale will begin April 27 and continue until the last item is sold.

Mailed bids will not be accepted. Items purchased may be removed on the sale date provided full payment is made. Deposits are not required.

Payment must be in cash or a guaranteed instrument, i.e., cashiers check, travelers check or money order. Purchasers will have until May 10 to pay for and remove items.

Because the DRMO is located within the NAWS interior security fence line, prospective bidders must stop at the main gate Visitor's Center and obtain a pass before coming aboard.

For further details, contact Phyllis at the DRMO, Building 1073 at (619) 939-2502/2538.

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package, and soon thereafter the micro-rover will begin its Martian adventures.

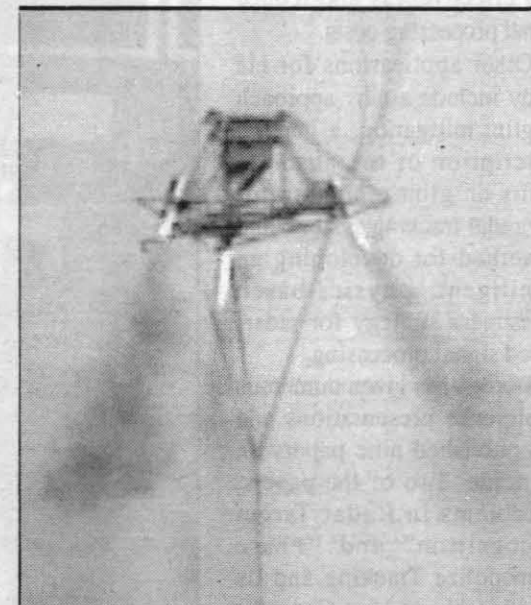
At least that's the plan. But despite information from the two Viking spacecraft that landed on Mars in the 1970s, there are still unknowns in the Martian environment — details of atmospheric density and variability, for example. However, computers in the rocket platform will calculate the rate of descent in real time and from this data determine the precise timing and altitude of the rocket firing.

This complex landing scenario will take place 190 million miles from Earth. If something goes wrong, there'll be no one around to fix it. And that poses the biggest challenge for JPL. According to Dr. Les Compton, lead engineer for the Rocket Assisted Deceleration (RAD) subsystem, "Each step in this extended series of events — the descent and entry process — must work properly." On this point Bill Martin concurs. Martin is a member of the Crew Systems Department and project manager for China Lake testing of the RAD subsystem concept.

"Step-by-step testing at China Lake will give us confidence in the subsystem's ability to function on Mars," notes Martin.

Since January 1994 China Lake has been supporting JPL in a test program designed to wring out the RAD subsystem, using a surrogate descent test system. The program involves a methodical process of testing each

component, both individually and as part of the overall system. Martin and his group were initially responsible for designing procedures, fabricating the hardware, building the specialized parachute and tether systems required for the test and coordinating the range operations and data gathering. As the project developed, JPL delegated additional tasks, such as assembling electronics packages for the China Lake tests that would sequence the test events, gather and record on-board data and fire the rocket motors.



RANGE VIDEO frame catches rocket platform just before retrorockets burn out.

Pathfinder's retrorockets were the subject of the recent test at G-2 drop zone. "This was proof-of-concept testing, although the setup was similar to the actual flight configuration," says Compton. "We were watching for big surprises."

But there were no surprises. The large parachute that deployed initially was designed to give the helicopter time to clear the area. After 40 seconds, during which the landing package was deployed on its tether below the rocket platform, the large parachute cut away. A smaller, reefed parachute was deployed. When the test items had accelerated to the desired velocity (67 feet per second), the retrorockets fired for 2.7 seconds, bringing the platform to nearly zero vertical velocity before burnout while maintaining good horizontal stability. The two test components then separated and deployed individual recovery parachutes.

The testing was tricky because of the live retrorockets. "Safety is paramount," says Martin. "When you're

working with live rocket motors, you hope for the best and plan for the worst. That's why we built the safety cage."

"Cage" is a slight misnomer. The thousand-pound metal structure acts more as a shield between the Pathfinder rocket platform and the helicopter. If the three rocket motors were to fire accidentally, the weight of the cage is sufficient to hold down the platform and block it from flying into the helicopter.

"It was unique," said Lt. Mike Knizewski, chief test pilot for flight tests. "We had to remove the helicopter's winch and the external fuel tanks because of the weight."

Knizewski, whose primary job is search and rescue, has been flying helicopters for eight years. "Coming to a complete standstill, zero airspeed, at 5,000 feet is a little tricky," he admits. "When you're there, you know it. There's a certain feel to it."

Other China Lakers contributing substantially to the success of the program were Mike Herr, project engineer; Elsa Hennings, parachute systems designer; and Mike Gray, firing officer.

"JPL is super pleased with the job they're doing," says Compton. "We are delighted with the entire team."

JPL has now asked China Lake to assemble another experiment, this one evaluating the full-scale mission RAD rockets. China Lake will also design and fabricate the tether — the connection between the rocket platform and the landing package — that will actually fly to Mars.

"It's exciting and satisfying to build something destined to land on Mars," said Herr. "JPL said that we'd have our names on a spacecraft plaque. But we already planned to hide our signatures inside the tether."

A full-scale test with flight-type hardware will be conducted this summer. But that is not the final test.

"That one comes in July '97," says Compton. "On Mars. Then we'll know how well we really did."

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Brett Borden earns Deputy Commander's Award

By Technical Information Department

A decade of examining radar return signals recently earned Dr. Brett Borden the Deputy Commander's Award for Research and Development.

Research has shown that return phase gradient data is the fundamental measure of all radar tracking. Based on this information, Borden, a research physicist in the Weapons/Targets Department, began looking at the general properties of phase gradients scattered from various complex targets.

Historically, most glint models have been based on a statistical description of the radar target. In fact, Borden's initial investigation resulted in a new statistical glint model that has been adopted by organizations of the other services and by private industry.

However, because of the inherent problems of statistical models (e.g., their propensity to obscure important properties of the phenomena they model, and the ensuing debate on the validity of the assumptions), Borden developed a new, deterministic model.

Using mathematical properties of electrical fields scattered by all finite objects, the model provides data on

basic radar issues, including glint-spike density and the effect of glint radar frequency on target tracking.

Borden's research also identified the elements of the target's shape that determine the behavior of the returned radar signal. In addition to the intimate and sensitive dependence of tracking glint error on target shape, he discovered that glint behavior is also determined by the target's gross cross-range extent.

Moreover, this relationship could be exploited for radar-based target classification in small (e.g., missile-based) radar systems. A recent bid and proposal study showed that using these effects in conjunction with wide-band tracking radar will probably help identify non-cooperative targets. This is one of the most difficult radar problems encountered to date.

The phase gradient research results are also useful for other applications. An algorithm based on Borden's study will be used for precision aim point selection in the AC1A Technology Plan's guidance-integrated fuze task.

In addition, the non-cooperative target recognition task in the AC2A Technology Plan will use the new information to preprocess the returned signal. This will reduce the target classification library by up to one thousand data elements. Each of these applications will considerably

improve overall weapon system effectiveness and reduce signal processing costs.

Other applications for his study include a new approach to glint mitigation; a general description of the absolute limits on glint reduction for any radar tracking system; and a method for developing an intelligent, physics-based investment strategy for radar-based signal processing.

Borden has given numerous conference presentations and has published nine papers on the topic. Two of the papers, "Problems in Radar Target Recognition" and "Phase Monopolize Tracking and Its Relationship to Non-Cooperative Target Recognition," were presented by invitation from professional societies.

Another paper, entitled "Radar Target Classification From Echo Phase Derivative Measurements: Theory and Experiment," received an award for best paper at the first Navy Independent Research and Independent Exploratory Development Symposium.



AWARD—Holding his Deputy Commander's Award for Research and Development is Dr. Brett Borden.

NOMEX III coveralls and coats recalled

Bill Deem, head of Safety and Physical Security, recently issued important information for all hands regarding a problem with Nomex III coveralls and lab coats used in explosives handling areas.

The Navy requested Nomex IIIA material that is anti-static. However, the manufacturer provided some Nomex III material that is not anti-static.

All Nomex III coveralls and lab coats must be removed from the field immediately.

All Nomex III lab coats can be returned to Supply and exchanged for the correct Nomex IIIA lab coats. As soon as Supply has sufficient quantities of Nomex IIIA coveralls, they will issue a notice regarding the exchange policy. This recall is for Nomex III lab coats and coveralls only. The new Nomex IIIA coveralls and lab coats provide the measure of protection the Navy had requested.

Questions concerning this issue may be addressed to Nick Wiruth, 939-2781.

To The Editor

Dear Editor:

The Indian Wells Valley Council of the Navy League wishes to thank the following businesses and individuals whose prize or financial contributions made the 1995 Blue-jacket of the Year award ceremony an outstanding success: Boeing Information Services, Inc.; Bud Eyre Chevrolet-Buick-Toyota; Comarco, Inc.; Connell and Associates; CTA, Inc.; Daniel T. Kus, D.D.S.; DCS Corp.; Dodge Ridge Ski Resort; EER Systems; EWA Systems; Farris' at the Heritage; Guild Mortgage; Homestead Restaurant; Hughes Aircraft Co.; Karen Burke at Grego's Beauty Salon; La Pasta/Santa Fe Grill; Loral Aeronautics; Los Angeles Lakers; Magic Curl Beauty Salon; Maturango Museum; Michau Engineering and Manufacturing; North American Chemical Corp.; NWC Community Credit Union; Parlet Data Systems; Quoin, Inc.; Ridgecrest Automotive; Ridgecrest Cleaners; Rotary International; SASS; Veda, Inc.; Gil and Judy Baron; Bud and Cecile Biery; Milt and Jane Burford; Mr. and Mrs. Cliff Degraw; John and Delores DiPol; Dave and Rita Glover; Steve and Sharon Goad; Paul and Pat Homer; Bob and Gay Pearl; Mr. and Mrs. Eduardo Romero; Mr. and Mrs. Peter Rossi; Larry and Karen Smith; Dr. and Mrs. Lloyd Smith; Tony Ann Smith; Dr. and Mrs. Charles Thelen; Judge Daniel J. Tobias; and Teri and Greg Morrow.

Sincerely,

Faylene Thelen, Public Relations for IWW Council, Navy League



KUDOS—In recognition of outstanding technical leadership in signal processing and IR clutter rejection, which has been instrumental in keeping China Lake a leader in the development of IR missile systems, Louis L. Covert recently received a Navy Meritorious Civilian Service Award. The award's citation stated that Covert "continually provided fresh approaches to developing front end signal processing solutions and clutter rejection applicable to a variety of imaging or non-imaging IR trackers." He worked in seeker development on such programs as Agile, Walleye, Condor, Bulldog, AIM-9L, AIM-9M, and TIGER. Shown with Covert is his wife, Jo.

IRIS from Page 16

cycle of Navy weapons systems. In the concept formulation and development phases, engineers can use these simulations to explore the cost of alternatives through accurate cost-of-operational-effectiveness analyses.

Integrated simulations such as those done during the IRIS demonstration can be used to rehearse complex test scenarios, thus determining the most efficient procedures and identifying unanticipated prob-

lems before large amounts of money and limited test assets are expended in actual test firings.

New tactical procedures can be dry-run and evaluated through integrated simulations at a fraction of the cost of all-live simulations.

Smith said, "IRIS can further NAWCWPNS' mission in the current downsizing environment by providing realistic, cost-effective testing and training.

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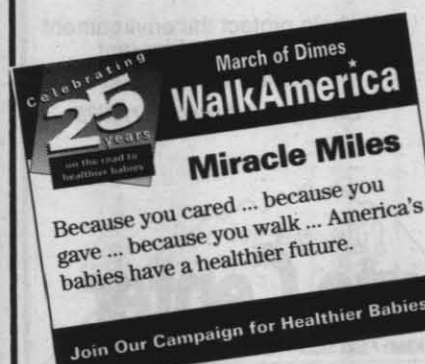
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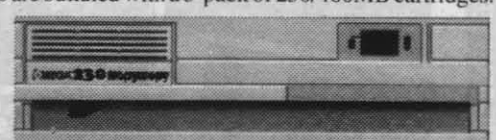
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Internetted Range Interactive Simulations project members honored

By Kathi Ramont
Staff Writer

Sixteen employees received a Team Award on April 12 from NAWCWPNS Commander RAdm. Dana B. McKinney. They had provided a successful demonstration of internetting key facilities at NAWCWPNS as part of the Internetted Range Interactive Simulations project.

These 16 people comprised the core of the IRIS team, which began working on the program in June 1993, and were nominated for the award by Richard C. Smith. Their efforts culminated in a final demonstration on Oct. 17, 1994, which was recognized throughout the DoD and industry as highly successful, giving NAWCWPNS a reputation for leadership in Advanced Distributed Simulation.

Four groups were involved in the effort: Systems Integration, led by Dana Paterson, Code 522100E; Software Development, headed by Susie Park, Code 4J6000D; Scenarios/Test Planning, led by Dianne Rindt, Code 4J5000D; and F/A-18 integration, led by Herb Barry, Code 41L110D. Group leaders maintained close communication by meeting bi-monthly, alternating sites, discussing problems and keeping close track of all progress toward objectives. The IRIS project is recognized by many within NAWCWPNS as a model for formulating an effective team.

Other team members were Joel Bossoletti, Code 522720E; Michael Campbell, Code 41L110D; Robert Eisenhauer, Code 723200D; John Hessler, Code 41L110D; Mark Hilde, Code 4J5000D; Jason Kazarian, Code 4J5000D; Kerry Lytle, Code 41L110D; Matthew

Maxel, Code 522100E; Glenn Okul, Code 522720E; Roy Sakamoto, Code 522720E; Marjorie Shultz, Code 4J5000D; and David Tersigni, Code 522710E.

IRIS's purpose was to research the problems and issues involved with linking the three major classes of simulation: live, virtual and constructive. Then they were to demonstrate the capability and share the lessons learned with the modeling and simulation community.

The team's goals were met by using the latest object-oriented software development approach. In future, the IRIS system will be used to support the acquisition process and fleet readiness by injecting live test events into a much broader simulated environment thus providing more comprehensive and realistic testing and training.

"Projects were completed on time and within budget, despite the problems associated with any new technology," said Smith. "In addition to resolving all technical issues, team members bridged cultural differences between the two sites. The team remained open-minded and non-parochial throughout the project, which was the key to the successful demonstration. All decisions were based upon what was best for the Navy, not what was best for any one particular site."

Benefits derived from IRIS's proven interclass simulations will span the life

Please see IRIS, Page 17



TEAM AWARD—Shown with their awards are the IRIS project team, (left to right) Dianne Rindt, Joel Bossoletti, Glenn Okul, Roy Sakamoto, Capt. Roger K. Hull, Margie Shultz, Dave Tersigni, Susie Park, Bob Eisenhauer, Kerry Lytle, John Hessler, Mike Campbell, Herb Barry and Mark Hilde.

Procurement team honored for speedy start-to-finish contracting effort

By Kathi Ramont
Staff Writer

Contracting personnel from China Lake and the Naval Air System Command, along with local contractor support, recently completed the first all-electronic contracting effort at the Naval Air Warfare Center Weapons Division.

Total time to complete the contracting process was less than four weeks. They were rewarded for their efforts with on-the-spot awards presented by Bob Schwartz, project coordinator for Joint Advanced Weapons Guidance Weapons Integration Precision Targeting Demonstrations Project for whom the contracting was done. This is a NAWCWPNS, China Lake-managed, JAST-sponsored effort. It involved awarding six multi-phased research contracts totaling over \$20M.

A contracting team specially assembled for this task was comprised of individuals from several of the procurement divisions. Anita Dale, procuring contracting officer, headed up the effort. Contract specialists Pam Bayburt, Dianne Murray, Barb Peterson, Michelle Smith and Kathy Watkins were assisted by Lisa Bregman, a NAVAIR contract specialist temporarily at China Lake specifically for this project, and Lynn

Lloyd of Digital Systems Research, who supplied the computer expertise.

These eight individuals managed to learn how the electronic system worked and completed the many contracting steps, including business clearances and negotiations, leading to the contract signing — all within 18 days.

"Sterling Haaland gave this effort a high management priority," said Ann Roseman, JAST business and financial manager, "which allowed this effort to proceed. The team cleared their calendars starting March 3 and devoted all their time to successful completion of this project under his direction."

The actual process began on Nov. 4, 1994, when the BAA95-1 solicitation was published in the *Commerce Business Daily*. Contractor bids had to be electronically transmitted and received by the contracting officer in the JAST Program Office by Feb. 3. Source selection, which used on-line terminal access to the bids, took place in mid-February. Final contractor selections were approved by the source selection authority Feb. 2.

Contract negotiations began immediately and awards were final, including electronic signatures at the contractors and government facilities, on March 15.

Software and processes devised by the JAST program and NAVAIR personnel were used to carry out the contracting. This was the first time this type of contracting was accomplished outside of

the JAST Program Office/NAVAIR environment and the first major contracting effort of the JAST Program carried out at a field activity.

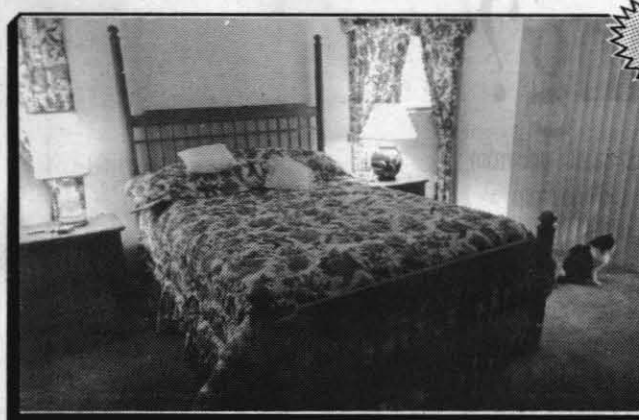
Established in 1993, the JAST program's goal is to facilitate development of fully validated and affordable operational requirements, proven operational

Please see **PROCUREMENT**, Page 21



ON-THE-SPOT awards were given by Bob Schwartz to procurement team members on March 20. Shown are (front row) Kathy Watkins; Anita Dale; Michelle Smith; Pam Bayburt; Dianne Murray (back row) Cdr. Chris Webster, contracts competency leader; Schwartz, Barb Peterson; Lynn Lloyd; and Terry Haven, JAST Integrated Program Team leader.

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Notes 1 and 5 apply.

No. 763-003-AA, (4) Budget Assistant, GS-561-5/67, Corporate Operations Group, Comptroller/Financial Management Department, Financial Management Division, Budget Branch Team 1 (PM), Code 763100E—Area of Consideration: NAWCWPNS. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Elaine Wunderlich, (619) 939-3917. **HRD Contact:** Ana I. Anderson, (805) 989-3241. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent reviews outgoing funding documents, analyzes unallocated and material rejects, and takes appropriate corrective action. Incumbent is responsible for data entry of source documents into AFIP. Incumbent will work with appropriate managers to establish funding chains ensuring their subsequent data entry into AFIP and will review, research, and correct unbillables. Incumbent will prepare worksheets for analysis of financial data that is used as the basis for management analysis ratios, trends, and projected conditions. Incumbent provides support for financial/budgetary analysis. **Quality-Ranking Factors:** Ability to interpret and assist in the implementation of financial policies and procedures in support of the day-to-day operations of an organization or areas of an organization. Ability to prepare worksheets for analysis of financial data, provide support for financial/budgetary analysis, prepare special reviews and analysis, and provide guidance to other personnel.

No. 763-004-AA, (6) Budget Analyst, GS-560-5/7/9, Corporate Operations Group, Comptroller/Financial Management Department, Financial Management Division, Budget Branch Team 1 (PM), Code 763100E—Area of Consideration: NAWCWPNS. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Elaine Wunderlich, (619) 939-3917. **HRD Contact:** Ana I. Anderson, (805) 989-3241. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent analyzes the division's program objectives, policies, work operations, and material resources to identify current or potential problems and merit of deficiency situations. Incumbent determines what information is needed to compare planned effort with actual progress and to predict the impact of deviations on the total expenditures of money and manpower. Incumbent evaluates impact of alternatives/modifications to programs, presents conclusions, and makes recommendations to appropriate managers such as division heads. Incumbent assists managers in developing DBOF A-11, ADP Budget, and Special Projects Budget and Program Budgets. **Quality-Ranking Factors:** Ability to interpret and apply financial policies and procedures in support of day-to-day operation of an organization or areas of an organization.

No. 763-005-AA, (1) Budget Analyst, GS-560-12, Corporate Operations Group, Comptroller/Financial Management Department, Financial Management Division, Budget Branch Team 4 (PM), NAWCWPNS-DIV Point Mugu, CA, Code 763400E—Area of Consideration: NAWCWPNS. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Elaine Wunderlich, (619) 939-3917. **HRD Contact:** Ana I. Anderson, (805) 989-3241. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent performs a variety of budgetary, analytical, and administrative functions that include budget preparation, workload analysis, financial, management, consultation, and interpretation; reporting tracing fiscal transactions; and managing resources at the project/task level. Incumbent develops and coordinates DBOF A-11 Cost Center budgets; special budgets, including BOS and MRTFB budgets; the TOB; apportionment, for forecasts; and subsequent revisions. **Quality-Ranking Factors:** Knowledge of and ability to apply source financial management principles, and practices and analytical techniques to the operation of a cost center, program project, or function.

No. 763-006-AA, (1) Budget Analyst, GS-560-11, Corporate Operations Group, Comptroller/Financial Management Department, Financial Management Division, Budget Branch Team 4 (PM), NAWCWPNS-DIV, Point Mugu, CA, Code 763400E—Area of Consideration: NAWCWPNS. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Elaine Wunderlich, (619) 939-3917. **HRD Contact:** Ana I. Anderson, (805) 989-3241. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent performs a variety of budgetary, analytical, and administrative functions that include budget preparation, workload analysis, financial management,

financial consultation and interpretation, financial reportings, tracking financial transactions, and managing resources at the project/task level. Incumbent provides the interface between the project, task, and cost center managers and sponsors in the areas of allocating incoming funds to customer orders, responding to sponsor queries, closing completed customer orders, preventing and resolving overencumbrances, and negotiating the reprogramming of funds and funding increases. Incumbent participates actively in the development and coordination of NIF A-11 Cost Center Budgets, TOB, apportionments, and forecasts. Incumbent uses PPBS techniques to optimize cost center effectiveness, economy, and efficiency and coordinates preparation of cost center budget submission. **Quality-Ranking Factors:** Ability to interpret and implement financial policies and procedures in support of the day-to-day operation of an organization or segment of an organization. Ability to analyze, draw conclusions, and make recommendations.

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No. 4J-006-RF5, Mathematics Technician, DT-1521-3, Operations Support Branch; Concepts, Analysis, Evaluation & Planning Department (CAEP), 4J5300D—Area of Consideration: China Lake. **Opening date:** 4-20-95. **Closing date:** 5-4-95. **Selecting Official:** Randy Kirkendoll, 939-0711. **HRD Contact:** Shirley Hauser, 939-2032. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent actively participates, utilizing a computer terminal, in military wargames and simulations based on a working knowledge of the wargaming systems and software as well as Navy tactics, doctrine, and terminology. Incumbent provides initial instruction on work station equipment; range of permissible commands, and basic operation capabilities of the system and war game models. **Quality-Ranking Factors:** Ability to participate in military war games and simulations; ability to operate a computer terminal; and ability to communicate orally and in writing. Must be able to obtain and maintain a Top Secret Clearance. Position is at the full performance level.

Note 3 applies.

No. 41-011-KN5, Administrative Officer, DA-341-2/3, Sidewinder Section, Systems Engineering Branch, TACAIR Weapons Systems Division, Systems Engineering Department, Code 414170D—Area of Consideration: China Lake. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Bill Hutmacher, 927-1746. **HRD Contact:** Kym Noh, 939-2032. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent will perform a full range of administrative duties including procurement, security, and financial support. **Quality-Ranking Factor(s):** Knowledge of NAWCWPNS accounting system, procedures, and terminology; knowledge of the DRIPS system and technical program specific budget planning (WBS structures, budgets, scheduling and tracking status); knowledge of procurements and their prerequisites (including ADP acquisition); ability to meet the mandatory DAWIA requirements for training, experience, and education for level II of the Business; Cost Estimating and Financial Management Acquisition Career Field within 18 months of entering position; ability to communicate orally and in writing; skill in Macintosh-based software (e.g. EXCEL, 4th Dimension, and Filemaker Pro). The selectee must be able to obtain and maintain a Secret clearance.

Notes 1 and 4 apply.

No. 472-011-GB5, Secretary (Typing), DG-318-2, Code 472110D—Area of Consideration: China Lake. **Permanent Change of Duty Station Authorized:** No. **Selecting Official:** Art Hickie, 939-8517. **HRD Contact:** Susan Bethke, 939-2676. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Summary of Duties:** Incumbent will provide secretarial and administrative support to the Sensors and Platforms Section Head and staff members. Duties include receiving and directing customers, answering telephones, reviewing outgoing correspondence, maintaining and coordinating supervisor's calendar, and preparing travel orders. **Quality-Ranking Factors:** Knowledge and experience with the Macintosh II computer system. Must be able to obtain and maintain a Secret clearance. Full performance level of this position is DG-2.

No. 472-012-GB5, Secretary (Typing), DG-318-3, Code 472360D—Area of Consideration: China Lake. **Permanent Change of Duty Station Authorized:** No. **Selecting Official:** Richard Gould, 939-1836/1872. **HRD Contact:** Susan Bethke, 939-2676. **Opening Date:** 4-20-95. **Closing Date:** 4-27-95. **Summary of Duties:** This position is located in the Advanced Systems Technology Office in the Guidance and Control Division. The position involves interaction with all levels of management and local and off-site personnel. Incumbent provides full range of secretarial

and administrative duties, including receiving visitors, answering and placing calls, planning for meetings and conferences, maintaining and coordinating supervisor's calendar, reviewing incoming correspondence and reports, establishing and maintaining hard copy and electronic files of program data, and researching issues to provide summary information to support management decisions. **Quality-Ranking Factors:** Knowledge of and proficiency with the Macintosh computer and its standard business software; skill in applying administrative policies and procedures such as travel, timekeeping, and acquisition/accounting for supplies, materials, and equipment; and the ability to interface effectively with personnel at all organizational levels. Incumbent must be able to obtain and maintain a Top Secret clearance based on a Special Background Investigation. The incumbent will be subject to urinalysis testing for use of illicit drugs. See "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" in Promotional Opportunities box above. Full performance level of this position is DG-3.

No. 473-006-RP5, Secretary (Typing), DG-318-1/2, Energetic Materials Characterization Section, Energetic Materials Branch, Airframe, Ordnance, and Propulsion Division, Weapons/Target Department, Code 473430D—Area of Consideration: China Lake. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Bland Burchett, 939-1712. **HRD Contact:** Robert Peoples, 939-8117. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Provides secretarial and administrative support to the Head, Energetic Materials Characterization Branch. **Quality-Ranking Factor:** Ability to perform receptionist and telephone duties; ability to maintain and coordinate supervisor's calendar and to arrange conferences; and ability to review and distribute incoming mail and review outgoing correspondence and/or non-technical reports. Incumbent must possess good communication and problem-solving skills in order to provide guidance and direction to staff clerical personnel. Working knowledge of the Macintosh computer—experience in Microsoft Word, Filemaker Pro, and Microsoft Excel desirable. Incumbent must be able to obtain and maintain a Secret clearance.

Note 1 applies.

No. 473-008-RP5, Secretary (Typing), DG-318-1/2, Guns and Ammunition Engineering Section, Energetic Materials Branch, Airframe, Ordnance & Propulsion Division, Weapons/Targets Department, Code 473440D—Area of Consideration: China Lake. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Ron Jones, 927-2995. **HRD Contact:** Julie Rodriguez, 939-2693. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent provides secretarial and administrative support for the section head and staff. Duties include: answering telephones, timekeeping, typing, filing, and making travel arrangements. **Quality-Ranking Factors:** Knowledge of filing systems and files management and ability to perform receptionist and telephone duties, review and distribute incoming mail, prepare/review outgoing correspondence and/or non-technical reports; and plan and coordinate travel arrangements. Must possess good communication and problem-solving skills in order to work effectively with all levels of personnel. Working knowledge of the Macintosh computer—experience in Microsoft Word, Filemaker Pro, and Microsoft Excel desirable. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential to the DG-2 level.

Note 1 applies.

No. 473-010-SK5, Secretary (Typing), DG-318-1/2, Ordnance Systems Development Office, Ordnance Branch, Airframe, Ordnance & Propulsion Division, Weapons/Targets Department, Code 4733E0D—Area of Consideration: China Lake. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Norm Fasig, 939-7700. **HRD Contact:** Julie Rodriguez, 939-2693. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent provides secretarial and administrative support to the personnel of the Ordnance Systems Office and Technology Office. This position involves interaction with all levels of management and off-site project personnel and customers. Incumbent will perform a full range of secretarial and administrative duties including answering and placing calls, preparing/reviewing correspondence, making travel arrangements, preparing security clearances, making viewgraphs, planning for meetings and conferences, maintaining and coordinating supervisors calendar, filing, processing stubs, and initiating personnel actions. **Quality-Ranking Factors:** Knowledge of filing systems and files management; knowledge of Center policy for travel/timekeeping/acquisition/accounting for supplies, materials, and equipment; ability to perform receptionist and telephone duties, ability to compose correspondence; and ability to review, organize, and distribute incoming mail. Proficiency with Macintosh computer and its standard business software is highly desirable. Incumbent must be able to obtain and maintain a Secret clearance.

Note 1 applies.

No. 473-011-SK5, Chemical Engineering Technician, DT-802-1/2/3 (Multiple Vacancies), Ordnance Processing Section, Propulsion Branch, Airframe, Ordnance, and Propulsion Division, Weapons/Targets Department, Code 473210D—Area of Consideration: China Lake. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Bill Durvin, 939-7517. **HRD Contact:** Julie Rodriguez, 939-2693. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Responsibility for the planning and conduct of explosive and propulsion component development and testing, including independent analysis and solutions; analysis of drawings and specifications; evaluation of test data; preparation of plans and operating procedures; and preparation of cost estimates. Responsible for carrying out an aggressive safety program. **Quality-Ranking Factors:** Knowledge of project planning and evaluation, correct testing procedures, knowledge of propellants, explosives, rocket motors, and explosive and propulsion plant equipment, and quality assurance procedures; and ability to work with minimal supervision; and to work as a team member or team leader. Full performance is at the DT-3 level.

Note 1 applies.

POINT MUGU SITE ONLY

No. 200-003-AA, (4) Contract Specialist, GS-1102-5/7/9/11/12, Contracts Competency, Weapons Systems Contract Department, Code: 200000E—Area of Consideration: Contracts Competency, Point Mugu. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Ellen Klotz, 989-8956. **HRD Contact:** Ana I. Anderson, 989-3241. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent negotiates and administers contracts, on behalf of NAWCWPNS customers, between the Government and contractors from receipt of requirement through physical and financial completions. Reviews purchase requests for technical and administrative adequacy. Prepares acquisition plans and solicits contractor offers in response to IFB, RFP, or RFQ. Incumbent obtains legal and technical advice when necessary. Analyzes contractor offers, performs cost and price analysis, conducts negotiations, and recommends award. Incumbent oversees issuance of contract award and interprets and requires performance of terms and conditions of contracts. Incumbent maintains liaison with contractor and customer organizations throughout contract life and coordinates with internal and external offices and agencies on matters relating to assigned contracts. Incumbent modifies or otherwise affects changes to contractual requirements, as necessary, to better support NAWCWPNS needs and satisfy regulatory framework. **Quality-Ranking Factors:** (1) Knowledge of business practices; (2) ability to gather, compile, and analyze data; (3) ability to deal effectively with people and work with others; and (4) ability to communicate orally and in writing. **DAWIA Factor:** Qualified candidates must have a bachelor's degree in business or business-related subject matter or 24 semester credit hours in business or business-related subjects. Candidates must meet DAWIA Level II requirements. Promotion potential to GS-12, but not guaranteed.

SYSTEM 7.5/TCP SITE LICENSE
An award was made to Mac Zone on 25 October 1994 for software maintenance for the Apple Macintosh Operating System and TCP Master Site License for the latest version for 5000 to 9999 users throughout the NAWC/NAWS.

This coverage will provide updated/revised master disks ONLY (manuals and technical support are not included). The software is available on the PC Lab Server. To access the server select the AppleShare driver from the Chooser; click on CL Mainsite Zone; select the PC Lab Server; and open the System 7.5 folder.

Additional media and documentation can be purchased from the PC Lab credit card buyer, Sharon Biesiadecki at

TUITION SUPPORT POLICY FOR CERRO COSO

Civil service employees at China Lake taking courses at Cerro Coso and expecting to obtain tuition support must submit via competency channels to Code 733000D prior to registration a DD Form 1556 (Off-Center Training Request) with a job order number supplied by their competency and an objective statement explaining how the course is job related. Employees MUST SIGN the appropriate statements on the back of copy 1 of the DD Form 1556, including the one whereby they promise to

939-3165 (DSN 437-3165), or contact the credit card buyer in your code.

Disk set and CDROM part number is M2923LL/A. 7.5 manual pack part number is M2924LL/A.

LCM GUIDELINES UPDATED

The Life-Cycle Management (LCM) Office has updated the NAWC Guidelines for China Lake, Point Mugu, and White Sands. With the implementation of CAO, as well as a number of procedural innovations in the LCM process, it is important that all competencies (via their Federal Information Processing Resources (FIPR) focal points) keep abreast of the current LCM procedures and requirements.

Hard copies of the updated LCM Guidelines can be obtained by calling 927-4526 (DSN 469-4526). In addition, an electronic version of the LCM Guidelines is available. Directions for accessing the electronic copy of the LCM Guidelines are as follows:

Open **CHOOSE**, select the **APPLESHARE** icon; under **"Appletalk Zone"** window, select **CL MAINSITE**; under **"Select a File Server"** window, select **72D DEPT SERVER**; click **OK**; connect to the **72D Dept File Server** as a Guest; click **OK**; select the **72D Public Volume**; click **OK**; dialogue box regarding the fileserver System Administrator comes up; click **OK**; **72D Public Volume** fileserver mounts on our desktop; close; Double click on **72D Public Volume** fileserver; open **FIPR/LCM** folder; drag the **LCM Guidelines** folder to your desktop.

Printing: To print a hard copy, **select** or **open** the first document in the LCM Guidelines folder titled **"1 LCM Cover"**. Select the **PRINT** option under your **FILE** menu and click **OK**. The documents have been set up to print each document in that folder, one after another in consecutive order.

TEST FACILITIES WORKING GROUP CONFERENCE

The 1995 Test Facility Working Group Conference (TFWGCON '95) is scheduled for **12-16 June** at the Tropicana Hotel and Conference Center in Las Vegas, Nevada.

CHINA LAKE GENERAL ANNOUNCEMENTS

reimburse the Government if a satisfactory grade (i.e., "C" or better) is not obtained.

Code 733000D will return the approved DD Form 1556 to you. You must turn it in to Cerro Coso when you register in order for NAWCWPNS to pay your tuition. If you register in person, turn in the approved form to the registrar. If you register by telephone, mail the approved form back with the bill you will receive.

Requests for tuition support (DD Form 1556) must be received by Code 733000D at least 3 days prior to the employee's registration at Cerro Coso. This will allow the

MANUFACTURING TECHNOLOGY TRAINING CENTER COURSES

The Manufacturing Technology Training Center (MTTC) is currently taking enrollments for the following courses:

Course Title	Class Duration	Start Date
Rework and Repair Course	40 hours	24 April
Recertification	3 days	15 May
Operator Course	40 hours	22 May

To enroll or for more information, call MTTC at (619) 446-5571

The biennial TFWGCON addresses lifecycle test, support, and research technologies that improve avionics and weapon systems software and facility capabilities. This year the conference is also open to invited NATO and SEATO guests. TFWGCON '95 is sponsored by the Air Force Wright Laboratory Avionics Directorate and the Naval Air Warfare Center Weapons Division. For more information regarding this conference, contact the Universal Technology Corporation at (513) 426-2808 or your local TFWGCON '95 coordinator Bob Barry at 939-4964 (DSN 437-4964).

ABBREVIATED SYSTEM DECISION PAPER (ASDP) WRITING ASSISTANCE

Need assistance writing an Abbreviated System Decision Paper (ASDP)? One-on-one sessions are designed for anyone planning to acquire Federal Information Processing Resources (FIPR) equipment, formerly known as Automatic Data Processing Equipment (ADPE). At China Lake contact Bonnie Jones at 939-1557, Bldg. 3888. At Point Mugu contact Gerry De La Torre at 989-4066, Bldg. 340A

CONTRACTS AVAILABLE TO NAWC/NAWS

A list of the local contracts (i.e., Sun hardware maintenance, Apple hardware maintenance, Silicon Graphics hardware, and Hewlett Packard software maintenance) and a list of Joint Service Contracts that all of DOD or Navy can use is available on the 72D Dept. Server.

SHREDDER MAINTENANCE CONTRACTS

The Acquisition Support Branch Code 721200D (C6331) has contracts for the maintenance and repair of shredders. These are per-call (time and material) contracts covering shredders at China Lake and Point Mugu. They are **not mandatory** contracts, but have been initiated to provide primary or alternative service support. The contracts include remedial and preventive maintenance for shredders regardless of manufacturer or model.

For China Lake and Point Mugu service, you must contact Linda Dailey, Code 721200D (C6331), 939-7283 or DSN 437-7283 with the following information: model number, serial number, bar code, job order, contact/requestor, code, telephone number, location, and a brief description of the problem.

Questions/problems may be directed to Linda Dailey at the above numbers.

RETIREMENT

WILLIAM (BILLY) C. EFFINGER

William (Billy) C. Effinger, senior analyst in the Anti-Air Branch, Missile Dynamics Section, Code 471320D is retiring after 30 years of civil service at China Lake. A farewell potluck lunch will be held in his honor at Solar Park on **2 May** at 1130. If you plan to attend, bring a dish, or make a donation or presentation, call Sandra Santos at 939-2392 by **26 April**.

CSUC COMPUTER SCIENCE ADVISING

Dr. Orlando Madrigal of Cal-State University, Chico will be at China Lake on **28 April** to advise current and prospective



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students in the external degree programs offered by the school in computer science. The programs lead to bachelor's and master's degrees. To schedule an appointment with Dr. Madrigal, call Denise Gossage at 939-2648.

VAN POOLING FROM LAKE ISABELLA

If you are interested in van pooling from Lake Isabella to China Lake, contact John Hopkins at 949-4239 or Jim Sevier at 939-9491.

NEW BOOKS AT THE TECHNICAL LIBRARY

For all wavelet fans, the Technical Library has received a new copy of *Wavelets: A Tutorial in Theory and Applications*, by Charles Chui (Call No. QA403.3 W38 1992).

We have also have received updates to the 1993 edition of *Electrical Engineers Reference Book* (Call No. TK145 E36 1993); the second edition of *The Art of Prolog*, by Leon Sterling and Ehud Shapiro (Call No. QA76.73 P76 A74 1994). The subtitle could be, from logic programming to declarative programming; and the latest volumes of *Advances in Heterocyclic Chemistry, Advances in Software Science and Technology, and Advances in Magnetic and Optical Resonance* series.

These books are located in the New Book Shelf for the next few weeks, and can be seen Monday through Thursday from 0730 to 1630.

HATE TO WRITE BUT NEED TO PUBLISH?

We can help you get that Technical Memorandum, Technical Publication, journal article, or conference paper written and reviewed. We will edit or help you write your manuscript, and you can spend an hour or two discussing one-on-one with your editor your individual writing style, tips to save you time and effort when you write and publish, and Publications services that are available to you. Whether you've published frequently or are just starting to build your list of publication credits, a few hours consulting with an editor now will save you time later! This training counts toward your 40-hour training requirement. Contact Ramona Bernard, Head, Publications/Graphics Section #1, at 939-3740.

NAWCWPNS HOTLINE AND NAWS IDEAS

The NAWCWPNs Hotline and NAWs Idea Directories were set up to allow users to copy prepared documents into them and remain anonymous. To place a file in the NAWSIDEA folder (directory) replace HOTLINE with NAWSIDEA whenever you enter HOTLINE. The instructions are for users with command local area network (C-LAN) access.

Note: Once you have made copies or saved a document into the HOTLINE subdirectory, you will not be able to retrieve or view this document from the Fileserver.

PC-Compatible Computers: At a network prompt, type the following commands: **LOGIN FS0024A/GUEST <RETURN>** no password required. **CD\PTMUGU\HOTLINE <RETURN>**

You may now copy the document you prepared into the HOTLINE subdirectory, by using the DOS copy command. Once you have finished copying the document, logoff Fileserver.
EXAMPLE: E:\PTMUGU\HOTLINE LOGOUT <RETURN>

Macintosh Computers: Go to the APPLE icon and select CHOOSEr from the Chooser window and select the following: **AppleShare icon, AppleTalk Zone "PM B36 1ST DECK", Fileserver FS0024A, select OK, Login as Guest, not password is required, select OK.** The next window will display "Select items you want to use" and FS0024A.SYS will be highlighted, select OK. Open FS0024A.SYS icon on Desktop, open folder PTMUGU, open folder you wish to copy your document into. Copy your document now.

CAO MANDATORY TRAINING SCHEDULE

Mandatory CAO training will be held in Mich Lab and at the following TVIS Locations on 20-26 April. To obtain more information or ask questions, call Bill Bethke at 939-0877.

Date	Time	Presentation	Location
20 April	0800-0925	CAO Overview	Mich Lab 1000D and TVIS Channel 3
	1000-1115	CAO Teams and Me	Mich Lab 1000D and TVIS Channel 3
25 April	0800-915	CAO Teams and Me	Mich Lab 1000D and TVIS Channel 3
	0930-1045	Change Management for Supervisors and Non-Supervisors (Bissell tape)	Mich Lab 1000D and TVIS Channel 3

From 20 to 26 April the following videos will be shown each day at TVIS locations only:

1300-1315	CAO Teams and Me
1330-1415	Change Management for Supervisors and Non-Supervisors (Bissell tape)
1430-1555	CAO Overview

TVIS LOCATIONS

Code	Location	Building	Room	Capacity	Contact	Phone
080600D	Mich Lab	00005	1000D	160	Loretta King	939-1336
080600D	Mich Lab	00005	1000 little "d"	20	Loretta King	939-1336
080600D	Mich Lab	00005	Lobby	x	Dave Beard	939-3687
200000D	Procurement Dept.	02336	Conf. Room	30	Janet Hand	939-3801
200000D	Procurement Dept.	01027	Training Room	30	Vi Baysa	939-3853
411210D	Airfield WSSA	20000A	223	40	Debbie Winfield	939-5438
470000D	Mich Lab	00005	20108	25	Dana Hayes	939-1470
473000D	CLPP/Salt Wells	11130	Cafeteria	100/130	Karen Kline	939-7200
473000D	CLPP/Salt Wells	11510	Conf. Room	40	Bonnie Richardson	939-7418
473000D	CLPP/Salt Wells	11130	Conf. Room	x	Karen Kline	939-7200
4733C0D	CLPP/Salt Wells	11530	Conf. Room	40	Linda Wilson	939-7654
474C00D	TID	02339	128	30	Cindy Lemon	939-3658
474C00D	TID-Video Projects	02334	Studio	20	Greg Dye	939-3697
520000D	Range Control Center	31455	RCC-HUB	25	Regina Pond	939-6811
521700D	SNORT	25010	Conf. Room	15	Cleta Llewellyn	939-4307
526000D	EWTES	70049	Conf. Room 17	20	Darren Giuliani	939-9197
526000D	EWTES	Eng. Sp.	Conf. Room	20	Tammy Johnson	939-9190
535000D	Thompson Lab	31433	Conf. Room	20	Jenny Martin	939-0265
560000D	Airfield	Hgr. 3	3209	50	PO Victor Peel	939-5197
560000D	Airfield	Hgr. 3	3209A	50	PO Victor Peel	939-5197
700000D	71 Parsons	02337	Conf. Room	15	Joy Adams	939-1967
720000D	Code 720000D	02657	Conf. Room	10	Charlene Peterson	939-4675
730000D	Personnel Bldg.	02335	101	30	Debbie Ashley	939-2478
733000D	Training Center	00947	11-TRMS	250+	Carol Corlett	939-2657
755000D	Lauritsen Lab Tlr	01400	Conf. Room	25		
823000D	Public Works	00981	Conf. Room	30	Trudi Ihle	939-3412

POINT MUGU GENERAL ANNOUNCEMENTS

CAO MANDATORY TRAINING SCHEDULE

Mandatory CAO Training for Point Mugu will be held at the Station Theater on 20, 25, and 26 April. The following topics will be discussed:

0930-1100	CAO Overview
1300-1415	CAO Teams and Me
1430-1500	Change Management for Supervisors and Non-Supervisors (Bissell tape)

Direct questions to Sandy Brigham at 989-3996.

LABOR REPRESENTATIVE FOR BARGAINING UNIT EMPLOYEES

The exclusive labor representative for the bargaining unit employees of NAWCWPNs Point Mugu is the National Association of Government Employees

(NAGE). The local R12-33 President is Louis W. Rogers, located in Trailer 10073; he can be reached at 989-1374.

CIVILIAN PERSONNEL DIVISION NEWS

APPLICATION PROCEDURES

Applications must be received at the Human Resources Department (HRD) Reception Desk, at any site, no later than 5:00 p.m. on the closing date of the announcement. Applications must be submitted for each vacancy. LATE APPLICATIONS WILL NOT BE ACCEPTED UNLESS ON APPROVED LEAVE, TDY, ETC. THE ENTIRE TIME THE ANNOUNCEMENT IS OPEN. Please make a copy of your application for your own retention before you submit it. (Only applications with original signature and date will be accepted.)

Submit a copy of your latest narrative performance assessment/appraisal of record with any application filed against a vacancy announcement. If the assessment/appraisal does not clearly state the tasks/duties performed, attach a copy of your performance plan.

A supplemental narrative addressing your qualifications to each quality-ranking factor (ORF) is highly recommended. This information will be used to identify highly qualified candidates to be referred for selection. Additional information will not be accepted after the closing date of the announcement.

When multiple-grade levels are advertised, applicants will only be rated for the lowest grade level indicated on their application that will be acceptable and higher grade levels for which they qualify. Applicants may review the X-118 Qualification Standards at the China Lake Technical Library; at the Point Mugu Directorate/Department Resources Offices; or at any NAWCWPNs Human Resources Department Office.

AREA OF CONSIDERATION INFORMATION

Applications will be accepted from current appointable employees at NAWCWPNs and, unless otherwise noted in the specific announcement, the tenant commands with approved cross-service agreements. These include employees with career or career-conditional appointments; temporary employees with Veterans Readjustment Act (VRA) eligibility or reinstatement eligibility; handicapped employees serving on an excepted Schedule (A) appointment, VRA employees, and temporary employees within reach on an OPM certificate (or equivalent). If a tentative selection is made from tenant, VRA, or temporary applicants, the selection process cannot be completed until a waiver to the hiring freeze is approved by COMNAVIAIR. Appointable persons include those with reinstatement eligibility, those within reach on an OPM certificate, and those eligible for noncompetitive permanent appointment (e.g., VRA, handicapped).

NOTES

1. If selection is made below the full-performance level, the selectee may be promoted to the next higher level(s) without further competition provided the following conditions are met: (1) OPM requirements are met, (2) management determines the incumbent is performing at the higher grade level, and (3) there is work at the higher grade level to justify the promotion. **PROMOTION IS NOT GUARANTEED.**

2. First-time supervisors and managers are required to serve a probationary period of 12 months. Those who do not satisfactorily complete the probationary period will be returned to positions of no lower grade and pay than their former position.

3. **Drug Testing Designated Position.** An applicant tentatively selected for this position will be required to submit to urinalysis for illegal use of drugs prior to a final selection. (Exception: If the position change is for 30 days or less or the applicant currently occupies a DOD testing designated position (TDP), no applicant test is authorized.) The selection is contingent upon a negative drug test result and, thereafter, the selectee will be subject to drug testing on a random basis as the incumbent of a TDP. Further, all DON employees may be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident or unsafe practice. All individuals will have the opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test result will be provided to the selecting official and servicing Human Resources Office before a final selection is made. A verified positive drug test result of a current DON employee will also be provided to the employing activity/command.

4. **This is a Defense Acquisition Workforce Improvement Act (DAWIA) Designated Position.** P. L. 101-510 requires that all applications for DAWIA designated positions that are advertised be evaluated utilizing a ORF to determine the best qualified candidates. A supplemental narrative addressing the DAWIA ORF is highly recommended. Applicants who would like to obtain more information on the DAWIA mandatory requirements and/or definitions of DAWIA career fields should contact their Department Office DAWIA representative or their Personnel Management Advisor. **Note:** Applicants selected for critical acquisition positions (GS-14/DP-4 and above) will be required to sign a service agreement to remain in that position for at least a 3-year period.

5. **Merit Promotion Positions for Point Mugu Site Vacancies.** Applicants must meet all eligibility requirements (including, when applicable, time-in-grade and qualification requirements) within 30 calendar days of the closing date of the announcement.

GENERAL INFORMATION

The Naval Air Warfare Center Weapons Division is an equal opportunity employer. Selection will be made on a fully equal basis without discrimination. Selection will not be made on non-merit reasons such as race, color, religion, sex, national origin, age, politics, marital status, physical handicap, or membership or non-membership in an employee organization.

All vacancies are subject to restrictions imposed by the DOD Priority Placement Program (PPP).

Incumbent must hold or be able to obtain the appropriate security clearance.

As of 1 August 1992, mandatory direct deposit/electronic funds transfer (DD/EFT) became the standard payment within DOD for pay of certain civilian personnel. Newly hired civilian personnel and employees (not currently enrolled) who are selected for competitive promotion, reassignment, transfer, etc., will be required to enroll in DD/EFT within 60 days. An asterisk (*) preceding an announcement number indicates a modification has been made to the vacancy advertisement; please note indicated changes.

MERIT PROMOTIONS

ALL NAWCWPNs SITES

No. 2S-003-SP5, Interdisciplinary (General Engineer/Mechanical Engineer/Electrical Engineer/Electronics Engineer/Operations Research Analyst/Mathematician/Computer Scientist) DP-801/830/850/855/1515/1520/1550-3, Contracts Competency, Code 2S0000D—Area of Consideration: NAWCWPNs. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Susan Scott, (619) 927-3177. **HRD Contact:** Sharon Page, (619) 939-8105. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent develops, manages, and reviews policies and procedures involving: the procurement of supplies, services, construction, and research and development; acquisition planning; cost and price analysis; selection and solicitation of sources; and contract administration issues. Reviews and makes recommendations for changes to policy. Conducts pre- and post-award reviews of contract files. Performs tasks and assignments requiring specialized and in-depth knowledge of acquisition topics. **Quality-Ranking Factor:** Knowledge of business practices; ability to gather, compile, and analyze data; ability to communicate orally and in writing; and ability to work with others. Incumbent must meet the statutory education requirement prior to being assigned to the position and be able to meet the mandatory DAWIA experience and training requirements for the Level 1 of the Contracts Career Field within 18 months of entering position. Familiarity with computing equipment and database administration is required. Promotion potential to DP-3, but not guaranteed.

Notes 1 and 4 apply.
Note: This position is being re-advertised. Please note the DAWIA statutory education requirement. Previous applicants do not need to reapply.

No. 20-004-SP5, Contract Specialist, DA-1102-1, Contracts Competency, Code 200000D—Area of Consideration: NAWCWPNs. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Helen Cropper, (619) 939-4269. **HRD Contact:** Sharon Page, (619) 939-8105. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent negotiates and administers contracts on behalf of NAWCWPNs customers, between the Government and contractors from receipt of requirement through physical and financial completion. Reviews purchase requests for technical and administrative adequacy. Prepares acquisition plans and solicits contractor offers in response to IFB, RFP, or RFO. Obtains legal and technical advice when necessary. Analyzes contractor offers, performs cost and price analysis, conducts negotiations (including appropriate agreements, appropriate terms, and conditions), and recommends award. Oversees issuance of contract awards. Interprets and requires performance of terms and conditions of contracts. Maintains liaison with contractor and customer organizations throughout contract life. Coordinates with internal and external offices and agencies on matters

relating to assigned contracts. Modifies or otherwise affects changes to contractual requirements, as necessary, to better support NAWCWPNs needs and satisfy the regulatory framework. **Quality-Ranking Factor:** Knowledge of business practices; ability to gather, compile, and analyze data; ability to work with others; and ability to communicate orally and in writing. Incumbent must meet the statutory education requirement prior to being assigned to the position and be able to meet the mandatory DAWIA requirements for the Level 1 of the Contracts Career Field within 18 months of entering position. Promotion potential to DP-3, but not guaranteed.

Notes 1 and 4 apply.

No. 52-028-RR5, Electronics Technician, DT-856-2/3, Code 522600D, Metrology Branch, Metric and TSPI Division, Pacific Ranges and Facilities Department—Area of Consideration: NAWCWPNs. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** E. Gehres, (619) 939-6415. **HRD Contact:** R. Robinson, (619) 939-2393. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent will provide calibration and repair services on a wide variety of electronic test equipment which includes, but is not limited to, oscilloscopes, AC/DC meter, RF generators, and spectrum analyzers. The duties are performed both in the lab and on-site at the end user's facilities. **Quality-Ranking Factors:** Ability to follow and interpret standard Navy instrument calibration procedures; and ability to read schematic and troubleshoot electronic problems to the component level. The selectee must be able to obtain and maintain a Secret clearance. The full performance level of this position is DT-3.

No. 76-005, Budget Assistant, DG-561-1/2/3, Code 763000D (Multiple Vacancies)—Area of Consideration: NAWCWPNs. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Elaine Wunderlich, (619) 939-3917. **HRD Contact:** Paula Murray, (619) 939-2293. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** These positions are located in the Financial Management Division, Comptroller/Financial Management Department. The incumbent provides support to assigned organizations in the areas of resource allocation, budget execution, fiscal review of procurement requests, validation of financial data, corrections to financial system (bad charges, journal entries), gathering data, preparation of reports, and processing incoming fund documents. The incumbent is responsible for informing the analyst and customer of potential fiscal problems, maintaining files, and interfacing with customers and other financial management personnel. **Quality-Ranking Factor:** For DG-1: Ability to work with a diverse customer

base, organize and prioritize work, and meet deadlines; ability to use or learn Macintosh computers and programs, and ability to express oneself both orally and in writing. **Quality-Ranking Factor:** For DG-2 and DG-3: Knowledge of Defense Business Operation Fund; ability to work with a diverse customer base, organize and prioritize work, and meet deadlines; ability to use or learn Macintosh computers and programs; and ability to express oneself both orally and in writing. The full performance level of these positions is DG-3. **Note 1 applies.**

No. 76-006, Budget Analyst, DA-560-1/2/3, Code 763000D (Multiple Vacancies)—Area of Consideration: NAWCWPNs. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Elaine Wunderlich, (619) 939-3917. **HRD Contact:** Nancy Robinson, (619) 939-8106. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** These positions are located in the Financial Management Division, Comptroller/Financial Management Department. The incumbent provides analysis, resource allocation, fiscal advice and counsel, and conducts studies for assigned organizations. Responsible for preparing and consolidating operating budgets and exhibits required to compile the A-11 budget. Additionally, the incumbent must have the ability to understand complex resource allocation issues and take on corporate Comptroller/Financial Management tasks. A working knowledge of the budget formulation and execution processes, the Department of Defense Financial Management Regulations (formerly NAVCOMPT Manuals), the NAWC Fiscal Policies and Procedures Manual, and the ongoing Competency Aligned Organization efforts is required. **Quality-Ranking Factor:** For DA-1: Ability to express oneself both orally and in writing, interpret rules and regulations, prioritize workload and meet deadlines, deal effectively with a diverse customer base, and to use the Macintosh computer and business applications (Excel, Microsoft Word, etc.). **Quality-Ranking Factor:** For DA-2 and DA-3: Knowledge of the budget formulation/execution process and the Defense Business Operation Fund; ability to express oneself both orally and in writing; ability to interpret rules and regulations; ability to prioritize workload and meet deadlines; ability to deal effectively with a diverse customer base; and ability to use the Macintosh computer and business applications (Excel, Microsoft Word, etc.). The full performance level of these positions is DA-3. **Note 1 applies.**

No. 76-007-NR5, Budget Analyst, DP-560-3, Code 763200D—Area of Consideration: NAWCWPNs. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Elaine Wunderlich, (619) 939-3917. **HRD Contact:** Nancy Robinson, (619) 939-8106. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** This position is located in the Financial Management Division, Comptroller/Financial Management Department. The incumbent is the Lead Financial Analyst providing guidance and leadership to a team of budget analysts and assistants as well as providing analysis, resource allocation, fiscal advice and counsel, and conducting studies for the assigned organization. Incumbent is responsible for preparing and consolidating operating budgets and exhibits required to compile the A-11 budget. Additionally, the incumbent must have the ability to understand complex resource allocation issues and take on corporate Comptroller/Financial Management tasks. A working knowledge of the Center's budget formulation and execution processes, the Department of Defense Financial Management Regulations (formerly NAVCOMPT Manuals), the NAWC Fiscal Policies and Procedures Manual, and the ongoing Competency Aligned Organization efforts is required. **Quality-Ranking Factor:** Knowledge of the budget formulation/execution process and the Defense Business Operation Fund; and the ability to express oneself both orally and in writing, interpret rules and regulations, prioritize workload and meet deadlines, deal effectively with a diverse customer base, and use the Macintosh computer and business applications (Excel, Microsoft Word, etc.). The full performance level of the position is DP-3.

No. 760-001-AA, (1) Payroll Technician, GS-544-5/6/7, Corporate Operations Group, Comptroller/Financial Management Department, Customer Services Division, Payroll/Travel Branch, Code 761300E—Area of Consideration: NAWCWPNs. **Opening Date:** 4-20-95. **Closing Date:** 5-4-95. **Selecting Official:** Patty Lawson, (619) 939-2802. **HRD Contact:** Gina Weatherford, (805) 989-3301. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent maintains employee master records residing in the payroll database by performing data entry of the following information: time and attendance, savings bonds, charity pledges, direct deposit, allotments, federal/state tax withholding, address changes, insurance, union/employee

include discussion of the ILS concepts and objectives of a program as related to operational/supportability requirements. Approaches that can be taken by program managers to apply the ILS/LSA requirements to an acquisition program and the tailoring of these requirements to meet program complexity will also be covered. Also included will be an explanation of the relationship between ILS/LSA and other associated acquisition disciplines and a brief synopsis of CALS as it relates to ILS.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Marcy Acosta, Code 733000E (P622). For further information, call 989-3992 (DSN 351-3992).

INTRODUCTION TO EMI ASSOCIATED WITH EEDS, FIRING CIRCUITS, AND ORDNANCE (24 hrs.)

24-26 May; Wednesday-Friday, 0800-1630; Bldg 323, Mini-Theater, Point Mugu. By: R & R Enterprises

This seminar covers the basic uses and functions of electro-explosive devices, firing circuits, and ordnance. Explanations on how EM threats (ESD, LEMP, NEMP, HERO) evolve, the types of hazards encountered, and the mitigation techniques used to neutralize these hazards (deflagration, detonation, and explosion). The course defines safety and reliability criteria. This seminar also covers EED lot acceptance testing, qualification testing, acceleration aging testing, surveillance testing, and Brucceton analysis. Case studies are highlighted.

Deadline: 4 May
For further information, contact Lily Horton at (805) 989-3987 (DSN 351-3987).

EQUIPMENT CUSTODIAN (3 hrs.)
25 May; Thursday, 1300-1600; Training Center, China Lake. By: Debra Schlick, Code 725100D

This course is designed to familiarize equipment custodians with accountability for plant and minor property. It will also provide assistance and guidance in the use of Equipment Management forms and will help equipment custodians understand their duties and responsibilities regarding equipment and accountable assets.

Management responsibilities from equipment acquisitions through useful life and proper disposition of equipment will be covered in this course. A way of accessing CERMS through ACC2 network will also be explained and a guide will be handed out.

Deadline: 18 May
To enroll or ask questions, call Sue Murray at 939-2349 (DSN 437-2349).

COACHING AND COUNSELING

25 May; Thursday, 1000-1200; Training Center, China Lake. By: Rennie Saunders, NTU (2-hr. live video broadcast via satellite)
1 June; Thursday, 0930-1130; Point Mugu. By: Rennie Saunders, NTU (2-hr. video)

At one time or another, every supervisor faces the problem of an employee whose performance is not up to par or whose behavior is not acceptable to the organization. The employee may be careless in his or her work habits, uninterested in the job, or chronically absent or late. Effective counseling sessions can do much to get the employee back on a productive track. This presentation will provide new and experienced supervisors with concrete

The NAWCWPNS Announcements and Human Resources Department Information are published by the PAO on the Thursday before payday. Copies of the insert are provided to the Albuquerque and White Sands sites. Personnel at China Lake, Albuquerque, and White Sands may send items for the Announcements section to Code 750000D, Attn: Barry McDonald, FAX 939-2796 (DSN 437-2796) or via QuickMail (CL NAWC WIDE NS name server in the CL MAINSITE zone). Personnel at Point Mugu may send items for the Announcements Section to Code 750000E, Attn: Pat Hollenbaugh, FAX 989-1785 (DSN 351-8094). Items included in the Human Resources Department Information Section are provided by the Civilian Personnel Division, Employee Development Division of the Human Resources Department. The deadline for all submissions is Wednesday at 1700, 8 working days prior to the alternate Thursday publication date. **Note:** All inputs **MUST** include the sponsor's code and phone number. Any questions or issues pertaining to this insert may be addressed to Ron Rogers at 989-3997 (DSN 351-3997), FAX 989-9846 (DSN 351-9846).

NAVAL AVIATION EXECUTIVE INSTITUTE (NAEI) FY95 SEMINARS

NAEI courses are designed for GM-13/Lieutenant Commanders (or equivalent) and above assigned to the Naval Air Systems Command. All Senior Executive Management Development Program (SEMDP) participants are required to attend certain classes. These participants have priority for available billets. Program costs are funded by NAEI. Travel and per-diem expenses of nominees are funded by their respective organizations. If the course is residential, lodging and meal costs are provided by NAEI. Nominations must be submitted on an NAEI form, which may be obtained from Lori Ryser, Program Coordinator, Code 733000D, China Lake, (619) 939-2686 (DSN 437-2686).

Note: A DD-1556 is NOT required. Nominations from all sites must be submitted to the Employee Development Division, China Lake, by the deadline dates listed below.

COURSE TITLE	COURSE DATES	DEADLINE DATE TO 733000D
Contemporary Management Issues and Practices	14-25 Aug	5 Jun
Politics of National Security	27 Aug-1 Sep	14 Jun
Managing Individual and Organizational Change	8-11 Aug	24 May
Washington Arena	18-22 Sep	10 Jul
Congressional Hearing Process	5, 6, and 9 Dec	1 Nov
Executive Leadership (4 Sessions)	New SEMDP only - TBD	
NEW - Managing Critical Resources	TBD - 5 days	
NEW - Creating the High-Performance Workplace	TBD - 5 days	

information and steps to follow. Participants will be able to take an active part in the lecture and will have an opportunity to practice the skills and knowledge learned by responding to various case studies.

To enroll or ask questions at China Lake, call Lori Ryser at 939-2686 (DSN 437-2686).

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

INVESTING IN THRIFT SAVINGS PLAN AND ON YOUR OWN (8 hrs.)

31 May; Wednesday, 0800-1600; Training Center, China Lake. By: Charla Green

The instructor will explain the operations and advantages of the Thrift Savings Plan, concentrating on how the three plan funds can fit into a personal investment portfolio. Historical data on risks and rates of return will be presented to help federal employees choose an allocation strategy. Debt reduction, insurance, taxes, and several additional investment opportunities will be discussed. Participants will learn ways to reduce investment risk and how to choose and purchase a mutual fund.

To enroll or ask questions, call Pat Oliver at 939-2468 (DSN 437-2468).

FIBER OPTICS (HANDS-ON) (24 hrs.)

19-21 June; Monday-Wednesday, 0800-1630; Bldg. 323, Room 160, Point Mugu. By: The Light Brigade

Note: Tuition for this course is approximately \$850 per person. You must provide a job order number to the Employee Development Division, Code 733000E when enrolling in this course.

This course is a 3-day course for both technicians and engineers/designers, supervisory personnel to learn all of the issues and products relative to the physical plant components, installation methods and test

equipment used in fiber-optic systems. This will be followed by 2 days of hands-on training for the technicians on connectorization, splicing, cable and panel preparation, testing, and documentation. A third day is also included featuring system design objectives for those involved with E/O System Design. The first day, for technicians/engineers will include Introduction to Fiber-Optics; the second and third day will include hands-on training for technicians.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

MANAGING SOFTWARE PROJECTS (32 hrs.)

5-8 June; Monday-Thursday, 0800-1630; Bldg 323, Room 160. By: Fastrack Training, Inc.

Note: Tuition for this course is approximately \$600 per person. You must provide a job order number to the Employee Development Division, Code 733000E when enrolling in this course.

Intended Audience: Project managers, software managers, senior software staff, software engineers, and people responsible for planning, scheduling, costing, and tracking of software projects.

This course teaches the skills necessary to plan and track software projects. An introduction to SEI Capability Maturity Model where emphasis is placed on the key process areas of software project planning and software project tracking and oversight. Using a case study approach, participants work in teams to develop a Work Breakdown Structure (WBS), identify cost accounts, define tasks, and allocate effort and budget to create and integrate project plans. After planning, organizing, and staffing their projects, they learn to analyze variance reports to determine project status.

Topics to be covered include Software

Project Management for Process Improvement, Role of the Manager, Project Planning and Organizing, Defining the Work, Allocating Resources, Defining the Project Organization, Cost Estimating, Scheduling and Staffing, and Risk Management.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

SOFTWARE DEVELOPMENT AND DOCUMENTATION MIL-STD-498 (24 hrs.)

19-21 June; Monday-Wednesday, 0800-1630; Bldg. 323, Room 201, Point Mugu. By: Technology Training Corp.

Note: Tuition for this course is approximately \$675 per person. You must provide a job order number to the Employee Development Division, Code 733000E when enrolling in this course.

The newly approved MIL-STD-498 replacing DOD-STD-2167A and DOD-STD-7935A, forms the basis for Software Acquisition Best Practices. All personnel involved with future software developments need to learn how to use MIL-STD-498 to form software contracts, and how MIL-STD-498 will impact the development of bids and software management practices. Topics will include DOD Software Requirements and Acquisition Policies; Applying the Newly Approved MIL-STD-498; the new MIL-STD-498: Software Development, Determining Software Documentation Requirements Using MIL-STD-498; Dealing With the Absence of Supporting MIL-STDs-Help From MIL-STD-498, and Its Limitations; Support for Software Process Improvement and Source Selection in MIL-STD-498; and the future of software standards—MIL-STD-498 and Commercialization.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).



HUMAN RESOURCES DEPARTMENT INFORMATION

The Human Resources Department (HRD) Information Section is intended to provide timely HRD information to NAWCWPNS personnel. Any questions or issues pertaining to this section may be addressed to Ron Rogers, Code 733000E (P622), (805) 989-3997 (DSN 351-3997), FAX 989-9846 (DSN 351-9846).

LEAVE DONORS NEEDED

The employees listed below have been approved as leave recipients under the Leave Transfer Program. These employees have exhausted annual and sick leave because of personal or medical emergencies and anticipate being in a leave-without-pay status for at least 44 hours. Employees who wish to help a leave recipient may donate annual leave to the employee by submitting a completed OP Form 630-A (Request to Donate Annual Leave to Leave Recipient). This form is available at Administration Offices at Point Mugu and Shop Store (Telmart) at China Lake. Forms for Point Mugu may be mailed to Code 731000E (P621); forms for China Lake may be mailed to Code 731000D (C621). For additional information, call Estela Padilla at (805) 989-3222 or Pat Miller at (619) 939-2018.

CHINA LAKE

Anton Kiren, 826100D

Anton is under a doctor's care.

Jan Leverett, Code 455140D

Jan is recuperating from open rotator cuff repair to her shoulder.

Jenny Hazelwood, Code 474620D

Jenny is confined to a bed due to complications of pregnancy.

Denise Evans, Code 761100D

Denise, who is a single mother, suffered a stroke and will be unable to return to work for an extended period of time.

Barbara Anderson, Code 763200D

Barbara has a medical problem.

Jeanie Salyer, Code 734000D

Jeanie is undergoing peritoneal dialysis while awaiting a kidney transplant.

Tina Snider, Code 826500D

Tina is on maternity leave.

Larry Kuster, Code 824210D

Larry has colon cancer and is undergoing chemotherapy and radiation treatments.

Tami Cauley, Code 826640D

Tami was involved in an automobile accident, which caused severe trauma to her spinal column.

Cynthia Langham, Code 522300D

Cynthia is undergoing medical treatment.

Howard Gerrish, Code 473210D

Howard obtained severe injuries in an accident.

POINT MUGU

Patricia Pennington, Code 220000E

Patricia is recovering from injuries received in an automobile accident.

La Wanda Lint, 832620E

La Wanda is recovering from knee surgery.

Chacita Kay Skinner, Code 836500E

Chacita is confined to a bed due to complications of pregnancy.

Virginia Johnson, 835400E

Virginia is recovering from surgery and will be off work for 6 weeks.

Lydia Villarreal, Code 724200E

Lydia is undergoing medical therapy for neck and lower back injuries.

Colleen Smith, Code 731000/E

Colleen is on maternity leave.

Michael Abbott, Code 522710E

Michael is under a doctor's care for chronic liver disease.

Ruth Sanders, NAVSOC

Ruth is caring for her mother, who is very ill.

David, Butler, Code 323010E

David has diabetes, arthritis, and varicose veins in both legs and feet which affect his ability to work.

Mari Zaragoza, 731000E

Mari is on maternity leave.

Paul Sailer, 543110E

Paul is recovering from injuries sustained in a traffic accident.

Brenda Davis, Code 731000E

Brenda has lupus erphematosus.

EMPLOYEE DEVELOPMENT DIVISION NEWS

ON-BOARD TRAINING COURSE SCHEDULE

STRESS MANAGEMENT (8 hrs.)

24 April; Monday, 0800-1630; Base Chapel, Enger Hall, Point Mugu. By: Dr. Suzanne Hard, Consultant

Do you react to stress by feeling overloaded and under-accomplished? Do you know people who seem to thrive on stress? The workplace and your life are changing at such a rapid pace that sometimes it creates a feeling of hopelessness. Why are people experiencing so much stress today? How much is too much? More importantly, what can you personally do about reducing this stress? This course is designed to help you become a manager of your stress and to learn new tactics to deal with it. Harness the power of stress and focus it to be a positive force.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

HOW TO COMPLETE THE DD FORM 1556 (OFF-SITE TRAINING REQUEST) (4 hrs.)

25 April; Tuesday; 0800-1130; Training Center, China Lake. By Sue Murray, Code 733000D

This class covers, step-by-step, the procedures to successfully complete the DD Form 1556 (commonly referred to as the off-site training request).

To enroll or ask questions, call Sue Murray at 939-2349 (DSN 437-2349).

BASIC GRAMMAR REVIEW (8 hrs.)

26 April; Wednesday, 0800-1600; Training Center, China Lake. By: Lanell Thompson

The objective of this class is to help any employee who needs a very short refresher course in the mechanics of written expression. The class covers rules of sentence structure, use of active versus passive verbs, parallelism, subject and verb agreement, and pronoun usage. It is a fast-paced class; therefore, the student should have a good background in English and grammar.

To enroll or obtain further information, contact Pat Nogle at 939-3159 (DSN 437-3159).

MOTIVATION SKILLS (2-hr. video)

27 April; Thursday, 0930-1130; CME0, Bldg. 60, Room 2, Point Mugu. By Janet Pepin, NTU

A large percentage of a supervisor's time is, and should be, spent motivating employees to meet objectives and goals and to perform at a general level of excellence. Supervisors who are successful in motivating employees have high productivity levels, excellent customer satisfaction, and effective employees. This presentation will provide participants with basic information about what motivation is, keys to motivate employees, and factors that affect how employees respond to motivation.

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

MASTERING ADVANCED INTERNETWORKING (6-hr. video)

1 May; Monday, 0800-1500; Training Center, China Lake

31 May; Wednesday, 0800-1500; Bldg 323, Room 160, Point Mugu

By: National Technological University. Sponsor: Northeastern University/Distributed Technologies Corp.

Intended Audience: Networking professionals, technology consultants, network planners, designers, and others who need to gain a solid grounding in networking technologies and to understand the requirements and choices of advanced internetworking.

This course provides a thorough understanding of the principles and technologies needed for internetworking in today's environments. The components to develop an internetwork are identified and examined. Advanced concepts of bridging and routing are presented and examined. You will learn how to link LANs with intelligent hubs, collapsed backbones, MANs, and examine the networking considerations for wireless networks.

To enroll at China Lake, contact Annette Hernandez via QuickMail with name, code, social security number, and phone number. For further information call 939-0870 (DSN 437-0870).

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

MASTERS OF SCIENCE DEGREE IN AVIATION SYSTEMS

The University of Tennessee Space Institute (UTSI) offers a master of science (M.S.) degree in aviation systems for those who possess a bachelor's degree in engineering or science. The degree is designed for those who wish to study under a "systems philosophy" toward careers in research and development or administration in areas pertinent to aviation. UTSI offers up to 16 hours of credit for the Navy TPS, thereby enabling a student to complete an M.S. degree by taking four to five courses. The next term of this videotape program begins on 1 June at China Lake. For more information, contact Pam Ritchie at (619) 446-2814.

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

Embry-Riddle Aeronautical University will be registering for its next term soon. Now is the time to start your tuition assistance paperwork. Classes will be offered in both the graduate and undergraduate programs in the China Lake area. Military and civilian work experience will earn you college credit. Classes are taught nights and weekends. Scholarships and other financial aid are available. To obtain more information or financial aid packets, call Sue at 927-3649.

INTRODUCTION TO SOFTWARE MANAGEMENT (8 hrs.)

2 May; Tuesday, 0800-1600; Training Center, China Lake. By: David Rugg, Code 450000D

REQUIRED FOR TMC/TMDP ENROLLEES; QUALIFIES FOR ELECTIVE REQUIREMENT FOR SEC/SEDP ENROLLEES.

Students in this class will explore challenges in managing software development and maintenance. The class will focus on approaches available in meeting these challenges. Students will receive and work with the DOD-sponsored Capability Maturity Model (CMM) in exercises designed to introduce them to what is software management (and what it is not). Students will learn about local, DOD-industry, and world-wide initiatives for software and system-engineering process improvement, and how they can apply these initiatives to their work.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Dorothy Wiederhold, Code 733000D (C622). For further information, call 939-2359 (DSN 437-2359) or 939-0874 (DSN 437-0874).

DYNAMICS OF CONFLICT (8 hrs.)

2 May; Tuesday, 0800-1600; Training Center, China Lake. By: Mary Ann Gallagher
4 May; Thursday, 0800-1630; BOQ Conference Room, Point Mugu. By: Mary Ann Gallagher

This course will explore the dynamics of creating and avoiding conflict. Participants will be able to identify ways conflict is created and explore avoidance strategies. Participants will practice skills useful for addressing and confronting the worst possible conflicts that can occur on a daily basis. Participants will also practice observing conflict without engaging in it. This course also addresses ways to cope with mildly uncomfortable situations.

To enroll or ask questions at China Lake, call Lori Ryser at 939-2686 (DSN 437-2686).

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

CHANGE MANAGEMENT AND TOL

8 May; Monday, 0800-1600; China Lake Training Center, Room 107. By: Roger Kirkham

This course touches on dynamics of change and the critical steps in dealing with change. It will also reinforce the basic principles of TOL plus provide specific methods for applying TOL in a service work setting. Supervisors and managers who attend this course will receive credit for completion of the mandatory Change Management Course.

To enroll, call Pat Nogle at 939-3159 (DSN 437-3159).

BASIC SUPERVISION (40 hrs.)

8-12 May; Monday-Friday, 0800-1600; Bldg. 324, Room 205, Point Mugu. By: Donna Mackay

Intended Audience: Probationary supervisory personnel ONLY.

This 5-day course, which meets the Office of Personnel Management's new supervisors training requirement, provides an overview of the fundamentals of supervising effectively. Specific content includes: roles and responsibilities of supervisors, team leadership, planning and organizing, delegation, interpersonal communication effectiveness, coaching and counseling skills, conflict resolution, motivation, and organizational effectiveness. This course provides supervisors with the opportunity to "talk shop" with other supervisors with similar interests and concerns.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

AIRCRAFT INTEGRATION (16 hrs.)

9-10 May; Tuesday-Wednesday, 0800-1600; Training Center, China Lake. By: NAWCWPNS Instructor

REQUIRED FOR ENROLLEES IN THE SEC/SEDP PROGRAMS.

This course is intended to provide the student with an understanding of the conceptual

design trade-offs and functional partitioning involved in the design of modern avionics systems. Students will have an understanding of the electrical environment of tactical aircraft. Application of wiring, analog and digital interfaces, and commonly used interface circuits in this environment will be discussed. Electromagnetic interference effects on the design and troubleshooting of avionics will be considered. Analysis of the hardware and software design of a typical avionics black box will be conducted. Several aircraft cockpits will be discussed to show how the relationship of cockpit displays, instruments, switches, and gauges affect avionics design. The class will conclude with the design of several sample avionics design problems.

Deadline: 25 April

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Dorothy Wiederhold, Code 733000D (C622). For further information, call 939-2359 (DSN 437-2359) or 939-0874 (DSN 437-0874).

MANAGING EMPLOYEE PERFORMANCE

10 May; Wednesday, 1000-1200; Training Center, China Lake. By: Sonnie Sussillo, NTU (2-hr. live video broadcast via satellite)

17 May; Wednesday, 0930-1130; Point Mugu. By: Sonnie Sussillo, NTU (2-hr. video)

Employee performance problems consistently rank at the top of the list of supervisory headaches. There seem to be few alternatives to taking adverse actions. Once adverse action has begun, however, it is difficult to re-establish a positive working relationship. This workshop provides a positive problem-solving model for fixing performance problems. While not ignoring the option of adverse action, this approach uses a step-by-step process of identifying the real cause of the performance problem.

To enroll or ask questions at China Lake, call Lori Ryser at 939-2686 (DSN 437-2686).

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

TECHNICAL WRITING FOR ENGINEERS (28 hrs.)

15-18 May; Monday-Thursday, 0800-1500; Training Center, China Lake. By: Communications Skills Company, Inc.

This seminar is a 24-hour course conducted over 4 consecutive days with a 1-hour supervised study period at the end of each day so that the total time each student spends in the class is 28 hours. Engineers will be provided with the skills and confidence to tackle any technical writing assignment, introducing them to the style and standards of technical writing in general and of NAWC in particular. Through examples and exercises taken from actual writing situations that Navy engineers face every day, participants learn techniques for analyzing, interpreting, and translating technical data to produce clear, readable letters and reports.

To enroll, call Pat Nogle at 939-3159 (DSN 437-3159).

AIRCRAFT INTEGRATION (16 hrs.)

16-17 May; Tuesday-Wednesday, 0800-1630; NCBC, Bldg. 1444, Room 270, Port Hueneme. By: NAWCWPNS Instructor

REQUIRED FOR ENROLLEES IN THE SEC/SEDP PROGRAMS.

This course is intended to provide the student with an understanding of the conceptual design trade-offs and functional partitioning involved in the design of modern avionics systems. Students will have an understanding of the electrical environment of tactical aircraft. Application of wiring, analog and digital interfaces, and commonly used interface circuits in this environment will be discussed. Electromagnetic interference effects on the design and troubleshooting of avionics will be considered. Analysis of the hardware and software design of a typical avionics black box will be conducted. Several aircraft cockpits will be discussed to show how the relationship of cockpit displays, instruments, switches, and gauges affect avionics design. The class will conclude with the design of several sample

HAZARDOUS WASTE WORKERS TRAINING (4 hrs.)

24 May; Wednesday, 0730-1130; China Lake Training Center, Room 107
26 July; Wednesday, 0730-1130; China Lake Training Center, Room 107
27 September; Wednesday, 0730-1130; China Lake Training Center, Room 107
By: Environmental Program Office, Code 823E00D

Note: This is not OSHA 1910.120 certified training

Intended Audience: Those who generate, handle, and manage hazardous waste.

This course is required training for anyone who generates or handles hazardous waste. It is also required training for anyone who manages a hazardous waste accumulation area.

Because the activities of the NAWCWPNS and NAWS, China Lake generate more than 1000 kg of hazardous waste per month, we are designated a Class I generator and are subject to full regulation under Federal environmental laws. One aspect of this regulation is proper training of personnel who generate, handle, or manage hazardous waste.

The course will help attendees to identify hazardous waste, set up and operate accumulation areas, identify time limitations, properly label and store containers, initiate emergency response procedures, initiate requests for disposal, and conduct accumulation area inspections.

Class size is limited to 25 people.

To enroll, contact Mona Alkhafi at 939-4477.

FREE NOVELL CLASSES**THE PERFECT OFFICE**

A free Novell class that reviews the elements of networks and the office will be given in Oxnard on 10 May from 0900 to 1200. "The Perfect Office" is a simple how-to class on networking your office and maximizing productivity using Novell's Perfect Office suite that includes GroupWise, Wordperfect 6.1, Quatropro, Presentations, InfoCentral, and Envoy. This is a great opportunity to introduce coworkers to networking applications in the office. Included will be an introduction to networking with a look at what is new with Netware 4.1.

For seminar registration or detailed course information, call Charles Spinnler at (800) 773-1501, ext 103.

WORKSHOPS FOCUS ON WINDOWS NT SERVERS AND WORKSTATIONS

A series of workshops focus on Windows NT Servers and Workstation will be offered in Oxnard on 17 May from 1400 to 1600. This series of technical workshops will be the first in a series of free spring and summer presentations. The first presentation will focus on strategic and technical overviews of Windows NT Server and Windows NT Workstations. Live demonstrations and examples of these platforms will illustrate how organizational time and resources can be saved. Space is limited.

For more information, call Charles Spinnler at (800) 773-1501, ext 103.

CONNECTING TO THE INTERNET VIA YOUR LAN

Connecting to the Internet Via Your Lan will be offered in Oxnard on 19 May from 1400 to 1700. There are many ways to connect to the Internet, but which one is right for you? Take advantage of this free seminar and learn about dial-up access via LANs, Internet E-mail to the desktop, Mosaic without IP, protecting yourself from hackers, routed connections, and more. Space is limited.

For more information, call Charles Spinnler at (800) 773-1501, ext 103.

USING MICROSOFT WINDOW TO AUTOMATE YOUR OFFICE

A free seminar titled "Using Microsoft Office To Automate Your Office" will be held in Oxnard on 14 June from 0900 to 1100. Discover for yourself the breakthrough innovations and ease of use of Microsofts Office 4.3. This powerful suite of applications will be demonstrated together to represent a whole new way to work.

To register or obtain detailed course information, call Charles Spinnler at (800) 773-1501, ext 103.

avionics design problems.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Marcy Acosta, Code 733000E (P622). For further information, call 989-3992 (DSN 351-3992).

EXCEL FOR THE MACINTOSH, BEGINNING (16 hrs.)

17-18 May; Wednesday-Thursday, 0800-1600; Training Center, China Lake. By: Paul Baczkiewicz, C0802

Note: Tuition fee is approximately \$60. Enrollees may cancel or submit a substitution 2 weeks prior to the class date without penalty. Full tuition fee applies otherwise. Please include job order number on QuickMail.

Prerequisite: Basic Macintosh operating skills.

In this class you will learn: basic Excel concepts-creating a worksheet; entering values, labels, formulas and notes; worksheet development (editing, moving around, using help, functions, fill copy, absolute and relative addressing, cut and paste, paste special, formatting, insert/delete, rows/columns, borders, save); printing the spreadsheet (print area, headers, footers, page set up); keyboard macros; database operations (named ranges, split windows); charts; and linking worksheets.

Presentation Method: Hands-On Workshop

Deadline: 3 May

To enroll, contact Annette Hernandez via QuickMail with name, code, social security

number, and phone number.

For further information, call 939-0870 (DSN 437-0870).

RETIREMENT INFORMATION FOR MID-CAREER EMPLOYEES (those who have 10-15 years to work) (8 hrs.)

17 May; Wednesday, 0800-1630; Bldg. 323, Mini-Theater, Bldg. 323, Point Mugu. By: Employee Relations, Code 731000E

Presentations from HRD personnel on CSRS and FERS retirement systems, including creditable service, military service, and Catch 62, deposit/redeposit service, how annuities are computed, TSP, health and life insurance, and social security. Presentations from the local community will be given on financial and estate planning.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

CAREER DEVELOPMENT WORKSHOP (8 hrs.)

18 May; Thursday, 0800-1600; CECOS, Bldg. 1444, Room 268, Port Hueneme. By: Julie Streets, Employee Development Specialist

Are you unclear about your career direction? Interested in figuring out what you want to be when your "grow up"? Discover your best fit occupations by examining your values, skills,

interests, and personality type. Focus will be on using this information to make better career decisions.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

BASIC TQL TOOLS (hrs.)

18 May; Thursday, 0800-1630; CMEC, Bldg. 160, Room 1, Point Mugu. By: Bob Huey

Participants in this course will receive an overview of concepts and practice using the following basic TQL tools: defining customers and their TQL needs, flow charts, brainstorming, cause-and-effects diagrams, force field analysis, pareto charts, and prioritization. Sources of TQL tolls will be explored.

To enroll, call Pat Nogle at 939-3159 (DSN 437-3159).

ELECTROMAGNETIC RADIATION HAZARDS AWARENESS (16 hrs.)

22-23 May; Monday-Tuesday, 0800-1600; TBD, Point Mugu. By: R & R Enterprises

The purpose of this seminar is to provide information on the potential hazards to humans from electromagnetic radiation, sometimes called "microwave radiation." This knowledge should enable participants to intelligently deal with any RADIAZ problems that he or she encounters. The material covered includes background information, requirements, denisitions, permissible exposer limits, electromagnetic fields, calculation of electromagnetic fields, measurements, protective measures, reporting of overexposure and Navy RADHAZ related organizations

Deadline: 3 May

For further information, contact Lily Horton at (805) 989-3987 (DSN 351-3987).

ANALOG, DIGITAL, MICROWAVE TROUBLESHOOTING (40 hrs.)

22-26 May; Monday-Friday, 0800-1630; Bldg 323, Room 159, Point Mugu. By: Evolving Technology Institute

Note: Tuition for this course is approximately \$500 per person. You must provide a job order number to the Employee Development Division, Code 733000E when enrolling in this course.

Intended Audience: Designed for technicians to provide an overview of troubleshooting techniques for modern electronic equipment systems, which include radar and communications systems.

This course is designed as an overview to give the student in one course, all of the measurement techniques in complex modern electronic systems. The course is divided into three parts, the first being analog troubleshooting, the next 2 days is devoted to digital troubleshooting techniques. Microwave troubleshooting is covered on the last 2 days. Analog troubleshooting covers analog meters, oscilloscopes, special measuring instruments and analog meters, discrete digital logic components, troubleshooting digital input and output levels, troubleshooting timing circuits components, system level troubleshooting, and overview of troubleshooting tools. Microwave troubleshooting includes introduction to microwave measurements, principles of testing I and II, spectrum analyzer, network analyzer, and microwave troubleshooting techniques and tips.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

SOFTWARE DEVELOPMENT "REAL-TIME SYSTEMS ANALYSIS WORKSHOP" (32 hrs.)

22-25 May; 0800-1630; Bldg. 323, Room 160, Point Mugu. By: Yourdon (Information Systems Analysis Workshop)

Note: Tuition for this course is approximately \$600 per person. You must provide a job order number to the Employee Development Division, Code 733000E when enrolling in this course.

Intended Audience: System analysts, System/SYS Engineers, System designers, CASE and methodology administrators, user representatives, and those who have

responsibility for specifying, developing, or maintaining information systems.

This workshop will focus on the necessary skills and abilities required to analyze business problems and information systems effectively. Attendees will learn to follow an intuitive series of model-driven analysis steps as specified in the Yourdon Systems Method 3.0. Techniques taught are used to organize and extract the systems development life-cycle (SDLC), business events, entities and processes, system scope, critical interfaces, and interaction of system and enterprise components. Attendees are taught through lectures and individual and team exercises, how to create, integrate, and evaluate the following deliverables from analysis: Essential Model, Information Models (ERDs), Data Flow Diagrams (DFDs), Entity State Transition Diagrams (ESTDs), Data Specifications, and Process Specifications. Key Benefits: Understand how to effectively capture system requirements, analyze them objectively and specify them clearly, practice standardized communication between developer and user groups, implement modeling told and techniques on realistic team and individual problems following a defined method, and plan how to see the method in your own systems and CASE environments.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

INTRODUCTION TO ROBUST DESIGN USING TAGUCHI METHODS (8 hrs.)

23 May; Tuesday, 0800-1600; Training Center, China Lake. By: Dr. Robert D. Smith

REQUIRED FOR SEC/SEDP ENROLLEES.

Robust design is an efficient experimental strategy for identifying the best, in a well defined performance sense, set of parameters for a component, subsystem, system, or process. The technique is general in nature, and not limited to special areas of science and engineering. Robust design is used extensively by the Japanese, and its use in the USA has grown considerably over the last 10 years.

Specific topics that will be covered in this course include quality loss functions, orthogonal arrays, data analysis, experiment design, data transformations, predicting performance, and design philosophies. Numerous examples relating to work in the area of simulation and analysis done at NAWC will be presented.

Note: Enrollees are asked to bring a 1" three-ring binder to class.

Deadline: 9 May

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Dorothy Wiederhold, Code 733000D (C622). For further information, call 939-2359 (DSN 437-2359).

FILEMAKER PRO (16 hrs.)

23-24 May; Tuesday-Wednesday, 0800-1600; Training Center, China Lake. By: TBD

Note: Tuition fee is approximately \$60. Enrollees may cancel or submit a substitution 2 weeks prior to the class date without penalty. Full tuition fee applies otherwise. Include job order number on QuickMail.

Prerequisite: Basic Macintosh skills.

In this class you will learn an introduction to databases, how to create your own database, working with information (adding, editing, omitting, etc.), layout formatting (field borders, viewing, drawing tools, moving, resizing, reshaping and aligning objects, etc.), autodata, field values, auto text, tab orders, buttons and scripts, and networking and passwords.

Presentation Method: Hands-On Workshop

Deadline: 9 May

To enroll, contact Annette Hernandez via QuickMail with name, code, social security number, and phone number. For further information, call 939-0870 (DSN 437-0870).

INDIVIDUAL DEVELOPMENT PLANNING WORKSHOP (1 hr)

24 May; Wednesday, 1000-1100; TBD, Point Mugu.

25 May; Thursday, 1000-1100; Training Center, China Lake.

By: Julie Streets, Employee Development Specialist

Learn how to develop a systematic plan to acquire the competencies you or your

OFFICE OF CIVILIAN PERSONNEL MANAGEMENT, WESTERN REGION

The following no-tuition costs courses are available at San Diego to all NAWCWPNS employees. For more information, call Lori Ryser at 939-2686 (DSN 437-2686).

Date	Course
1 June	Total Quality Leadership Seminar
5-9 June	DCPDS Human Resources Managers Course
12-14 June	DCPDS Employee Development Subsystem Course
13 June	EEO for Mid-Level Managers
19-22 June	Civilian Personnel Management Field Institute (CPMFI)
19-23 June	Introduction to Position Classification
27-28 June	Employee Development for Personnel Clerks

CONTRACTING OFFICER'S REPRESENTATIVE COURSES

The following schedule lists Naval Regional Contracting Center-sponsored training courses for FY95. To apply for the courses, complete a DD 1556 for the Naval Regional Contracting Center, 937 North Harbor, San Diego, CA 92132-5106 and send it to your Employee Development Division, Code 733000E or Code 733000D, for processing. The cost is \$300. For more information, contact Felicia Nickelberry at 989-3980/DSN 351-3980.

Date	Location
23-25 May	San Diego
12-14 July	NSWC Port Hueneme
25-27 July	San Diego
22-24 August	San Diego

CSUC COMPUTER SCIENCE PROGRAM

The following courses are being offered for the summer in the Cal-State University, Chico (CSUC), Computer Science Program (bachelor's and master's degrees). To enroll in these courses, call Denise at 939-2648. Registration will be held at the first class meeting. **Deadline for enrolling is 10 calendar days before the starting date of the class.** Employees taking one of the courses below must sign a statement at the time of registration, promising to reimburse the government if a satisfactory grade (i.e., "C" or better) is not obtained.

CSUC172: SYSTEMS ARCHITECTURE (3 units)

8 May-23 August: Mondays and Wednesdays, 1130-1245; Training Center (videotape). By Professor James Murphy, CSUC, (916) 898-4037

Prerequisite: CSUC171: Computer Architecture and CSUC151: Algorithms and Data Structures or equivalent or consent of instructor. Students wishing to apply this course to a bachelor's degree must have passed the Writing Effectiveness Screening Test (WEST) or acceptable equivalent.

Scope: Definition of problems relating to interfacing processors and peripherals in computer systems. Channel and bus structures, bandwidth computations, performance evaluation, feasibility studies, and methods of systems analysis. This is a writing proficiency (WP), course; a grade of C- or better certifies written proficiency for majors.

Note: This is a core course in the bachelor's degree program in computer science through CSUC. This is a required foundation course for the master's degree program in computer science through CSUC.

CSUC171: COMPUTER ARCHITECTURE (3 units)

23 May-10 August: Tuesdays and Thursdays, 1130-1245 ; Training Center (videotape). By Professor Robert Britton, CSUC, (916) 898-4487

Lab: Tuesdays, 1700-1800; Training Center. By Howard McCauley, 939-0546

Prerequisite: Proficiency in Assembly Language Programming or consent of instructor

Scope: This course introduces basic digital logic design techniques, and integrates the topics of assembly language programming, computer organization, and computer design. The MIPS processor, a Reduced Instruction Set Computer (RISC), is used as a specific design example.

Note: This is a core course in the bachelor's degree program in computer science through CSUC. This is a required foundation course for the master's degree program in computer science through CSUC.

employees need to excel in the workplace. The

Individual Development Plan (IDP) is a tool to make that plan specific and meaningful to the individual and the organization. Participants will learn about development planning, goal setting, prioritizing competencies, and identifying developmental opportunities.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2), to Mary Glasmann, Code 733000E (P622). For further information, call 989-3982 (DSN 351-3982).

To enroll at China Lake, call Sue Murray at 939-2349 (DSN 437-2349).

INTEGRATED LOGISTICS SUPPORT (ILS) (8 hrs.)

24 May; Wednesday, 0800-1600; NCBC, Bldg. 1444, Room 290, Port Hueneme. By: NAWCWPNS Instructor

REQUIRED FOR ENROLLEES IN THE TMC/TMDP OR SEC/SEDP PROGRAMS.

Emphasis in this course will be placed on what program managers need to know about integrated logistics support (ILS). Students will be provided with a working knowledge of logistics support analysis (LSA) and